

# Chapter 13: Designing Divider Styles

## Introduction

TOPS Pro contains a number of pre-defined divider styles in its database, but also allows you to design divider styles to meet your unique needs. When you design a divider style, you'll use one of seven basic divider drawing styles:

- ❖ 2-Way Divider
- ❖ 2-Way Air Cell
- ❖ U Over
- ❖ U Partition
- ❖ U Simple
- ❖ Z Partition
- ❖ Zig Zag
- ❖ Other Partitions

These basic divider drawing styles are your starting point. Every type of divider designed in TOPS Pro is a variation of one of these six divider drawing types. This chapter provides guidelines for working with the six basic divider drawing styles.

# General Guidelines

As you design divider drawing styles in TOPS Pro, use the following guidelines:

❖ **Define number of thicknesses.**

On the Define Dividers dialog box, if you leave thicknesses zero (0), TOPS Pro will automatically calculate the number of thicknesses along the length and width.

❖ **Define an arrangement.**

On the Define Dividers dialog box, if you leave the arrangement zero × zero, TOPS Pro will autosize the divider to fit the quantity of items that go into the divider, if possible. If you're calculating stacking strength, be sure to always enter a specific value for the arrangement; this is because stacking strength usually varies on arrangement. If you're not calculating stacking strength, it's OK to leave the arrangement zero × zero.

❖ **Select a drawing style.**

As you design a divider drawing style, the g.o.d. feature draws the divider as you design it. You want the picture to be as accurate as possible to your finished product. On the Define Dividers dialog box, go through the drawing styles and find the divider that best matches your needs.

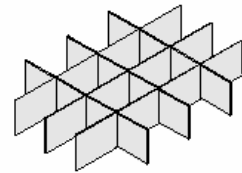
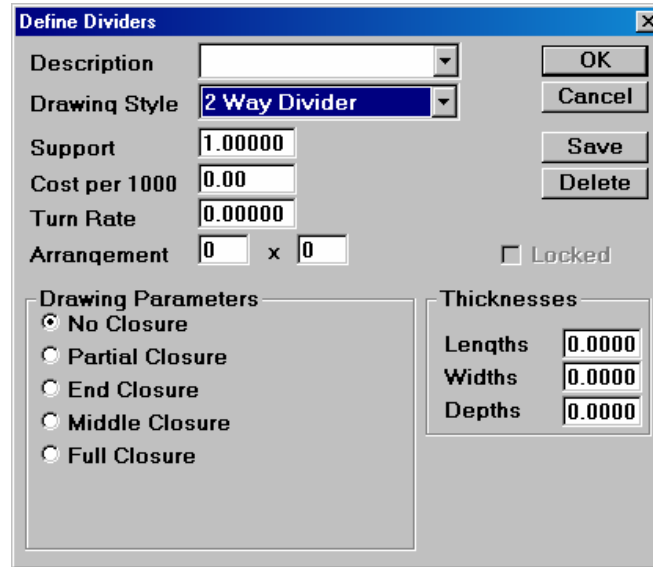
**Note:** For easy reference, please refer to Appendix F, Divider Styles. As an option, go to the Menu Bar, open the File menu, select Print Databases, then select Dividers. TOPS Pro will print all the divider drawing styles in the database.

Check the drawing parameters and revise them as necessary to meet your needs. When you've designed a new divider, give it a description and save it to the database.

Be aware that the drawn dividers in TOPS Pro are limited to the simplest row/column patterns, with all items in the arrangement oriented the same way.

## 2-Way Divider

The 2-Way Divider drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.

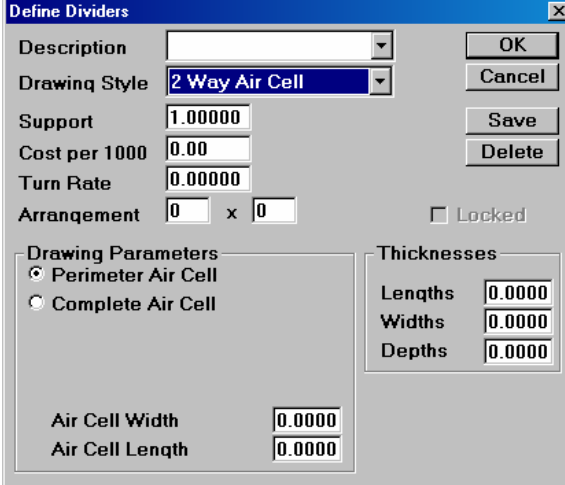


To use the 2-Way divider, work with the following parameters:

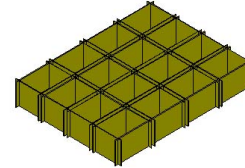
- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Drawing Parameters:** Select a type of closure – No, Partial, End, Middle or Full – to specify how TOPS Pro will draw the divider.
- ❖ **Thicknesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.

## 2-Way Air Cell

The 2-Way Air Cell drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.



Description		OK
Drawing Style	2 Way Air Cell	Cancel
Support	1.00000	Save
Cost per 1000	0.00	Delete
Turn Rate	0.00000	
Arrangement	0 x 0	<input type="checkbox"/> Locked
Drawing Parameters		
<input checked="" type="radio"/> Perimeter Air Cell		
<input type="radio"/> Complete Air Cell		
Thicknesses		
Lengths	0.0000	
Widths	0.0000	
Depths	0.0000	
Air Cell Width	0.0000	
Air Cell Length	0.0000	

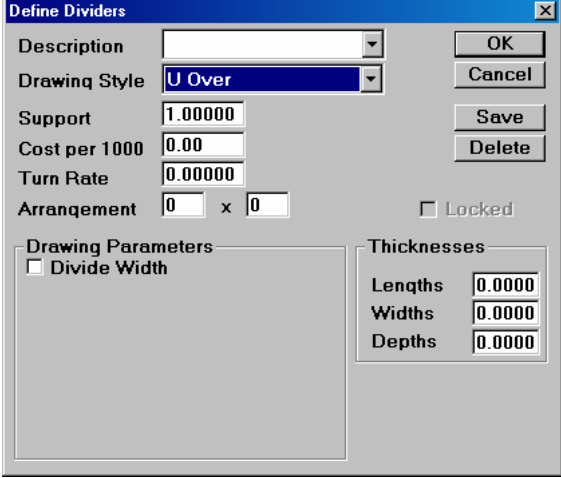


To use the 2-Way Air Cell, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Drawing Parameters:** Select an option – Perimeter Air Cell or Complete Air Cell – to specify how TOPS Pro will draw the divider.
- ❖ **Air Cell Width:** Enter the width of the air cell.
- ❖ **Air Cell Length:** Enter the length of the air cell.
- ❖ **Thicknesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.

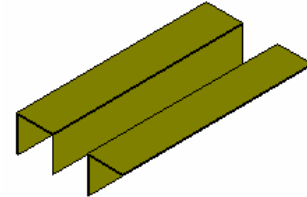
# U Over

The U Over drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.



The screenshot shows the 'Define Dividers' dialog box with the following parameters:

Description		OK
Drawing Style	U Over	Cancel
Support	1.00000	Save
Cost per 1000	0.00	Delete
Turn Rate	0.00000	
Arrangement	0 x 0	<input type="checkbox"/> Locked
Drawing Parameters		Thickesses
<input type="checkbox"/> Divide Width		Lengths 0.0000
		Widths 0.0000
		Depths 0.0000

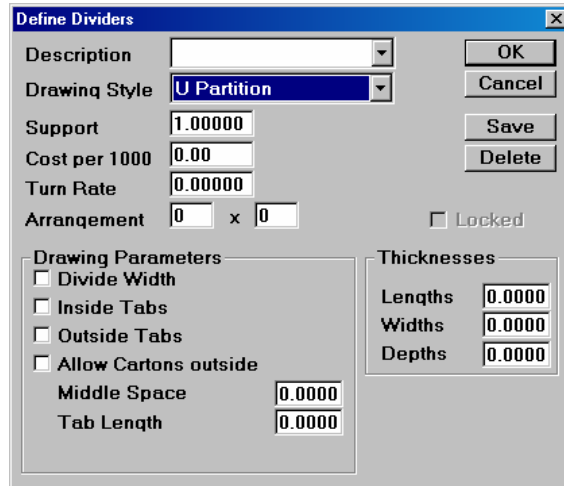


To use the U Over divider, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Divide Width:** Select this option to draw the divider across the width of the shipcase. (As the default, TOPS Pro draws the divider across the length.)
- ❖ **Thickesses Lengths/Widths/Depths:** Enter the number of thickesses along the length, width and depth of the divider.

# U Partition

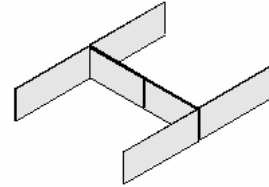
The U Partition drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.



The screenshot shows the 'Define Dividers' dialog box with the following settings:

- Description: [Empty]
- Drawing Style: U Partition
- Support: 1.00000
- Cost per 1000: 0.00
- Turn Rate: 0.00000
- Arrangement: 0 x 0
- Locked:
- Drawing Parameters:
  - Divide Width:
  - Inside Tabs:
  - Outside Tabs:
  - Allow Cartons outside:
  - Middle Space: 0.0000
  - Tab Length: 0.0000
- Thicknesses:
  - Lengths: 0.0000
  - Widths: 0.0000
  - Depths: 0.0000

Buttons: OK, Cancel, Save, Delete.

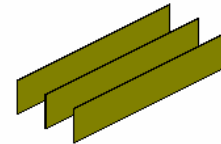
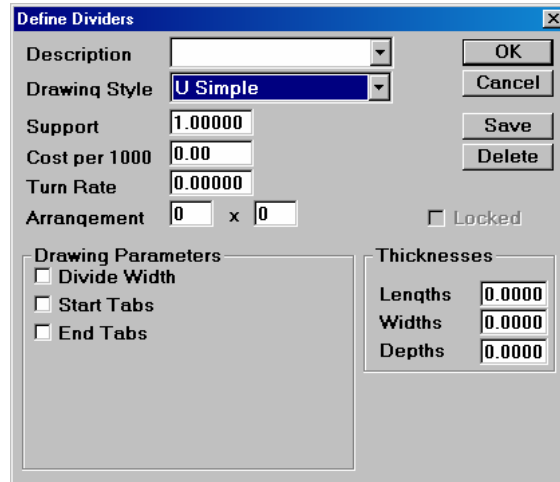


To use the U Partition divider, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Divide Width:** Check the box to divide the divider along the width.
- ❖ **Inside/Outside Tabs:** Check the box to add tabs to the inside/outside of the divider.
- ❖ **Allow Cartons Outside:** Check the box to allow cartons on the outside of the divider.
- ❖ **Middle Space:** Enter the middle space of the divider in inches.
- ❖ **Tab Length:** Enter the length of the tabs in inches.
- ❖ **Thicknesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.

# U Simple

The U Simple drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.

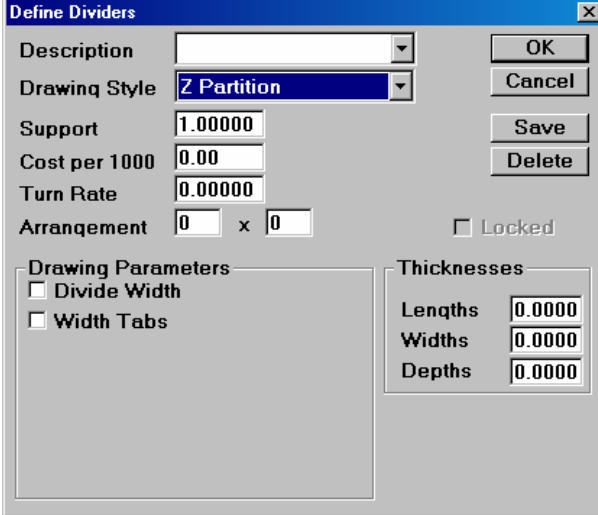


To use the U Simple, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Divide Width:** Select this option to draw the divider across the width of the shipcase. (As the default, TOPS Pro draws the divider across the length.)
- ❖ **Start Tabs:** Select this option to draw the divider with a tab at the starting point of the divider.
- ❖ **End Tabs:** Select this option to draw the divider with a tab at the ending point of the divider.
- ❖ **Thicknesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.

# Z Partition

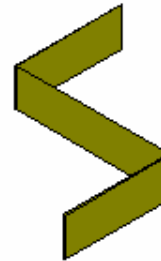
The Z Partition drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.



The screenshot shows the 'Define Dividers' dialog box with the following settings:

- Description: [Empty]
- Drawing Style: Z Partition
- Support: 1.00000
- Cost per 1000: 0.00
- Turn Rate: 0.00000
- Arrangement: 0 x 0
- Locked:
- Drawing Parameters:
  - Divide Width:
  - Width Tabs:
- Thicknesses:
  - Lengths: 0.0000
  - Widths: 0.0000
  - Depths: 0.0000

Buttons: OK, Cancel, Save, Delete.

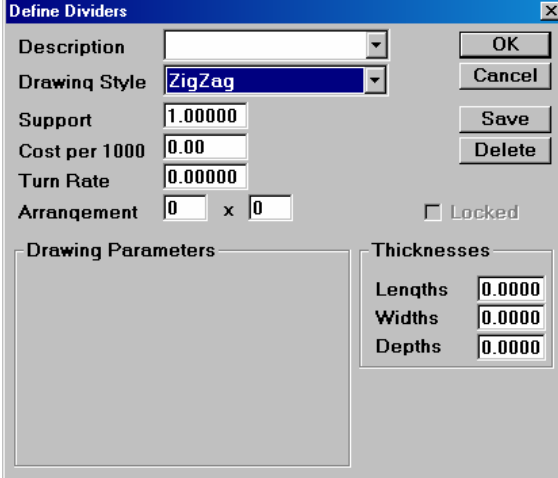


To use the Z Partition divider, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Divide Width:** Check the box to divide the divider along the width.
- ❖ **Width Tabs:** Check the box to add tabs to the width of the divider.
- ❖ **Thicknesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.

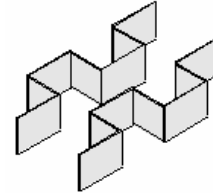
# Zig Zag

The Zig Zag drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.



The screenshot shows the 'Define Dividers' dialog box with the following settings:

- Description: [Empty]
- Drawing Style: ZigZag
- Support: 1.00000
- Cost per 1000: 0.00
- Turn Rate: 0.00000
- Arrangement: 0 x 0
- Locked:
- Thickesses:
  - Lengths: 0.0000
  - Widths: 0.0000
  - Depths: 0.0000



To use the Zig Zag divider, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider.

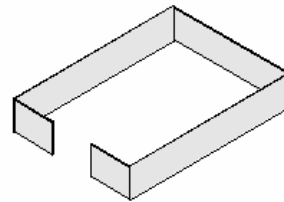
For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.

- ❖ **Thickesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.

## Other Partitions

The Other Partitions drawing style, pictured below, is designed with the parameters displayed in the Define Dividers dialog box.

Description		OK
Drawing Style	Other Partitions	Cancel
Support	1.00000	Save
Cost per 1000	0.00	Delete
Turn Rate	0.00000	
Arrangement	0 x 0	<input type="checkbox"/> Locked
<b>Drawing Parameters</b>		
<input type="checkbox"/> Side Panels		
<input type="checkbox"/> End Panels		
<input type="checkbox"/> Width Tabs		
<input type="checkbox"/> Perimeter With Gap		
Length Dividers	0.0000	
Width Dividers	0.0000	
<b>Thicknesses</b>		
Lengths	0.0000	
Widths	0.0000	
Depths	0.0000	



To use the Other Partitions divider, work with the following parameters:

- ❖ **Support:** Enter the support factor provided by the divider.
- ❖ **Cost per 1000:** Enter the cost per 1000 units of the divider.
- ❖ **Turn Rate:** Enter the turn rate for the divider.
- ❖ **Arrangement:** Enter the arrangement of primary containers within the divider. For example, if the divider will accommodate three rows of 10 containers, enter 3 and 10.
- ❖ **Side/End Panels:** Check the box to draw the divider with side or end panels.
- ❖ **Width Tabs:** Check the box to draw the divider with width tabs.
- ❖ **Perimeter With Gap:** Check the box to draw the divider perimeter with a gap.
- ❖ **Length/Width Dividers:** Enter the length and width dividers in inches.
- ❖ **Tab Length:** Enter the length of the tabs in inches.
- ❖ **Thicknesses Lengths/Widths/Depths:** Enter the number of thicknesses along the length, width and depth of the divider.