TANDEMBOX

Deluxe Metal Drawer System

blum.com
One system. Countless possibilities.

This metal box system opens a world of design possibilities. The gray sides of TANDEMBOX can attach to any style front, giving cabinets their own unique look. With a variety of different applications from top and deep drawers to sink and corner solutions, TANDEMBOX can accommodate all areas of the kitchen.

Our tried-and-tested TANDEMBOX drawers open smoothly and gently, even fully loaded. Full extension runners make finding what you need easier, and drawers close softly with our integrated BLUMOTION soft close technology.
Contents

TANDEMBOX

4 Testing Standards
5 Easy Adjustments
6 Design and Features
7 Additional Information
8 Program Overview
10 Using the Catalog
11 Drawer Assembly
56 Dual Sink Drawer
58 Waste/recycle Set
60 Assembly Aids
64 Machines
66 Accessories
70 ORGA-LINE
72 Part Number Index
Blum’s Testing Standards

Blum, Inc. is ISO 9001 certified, which means that you can be assured of consistent quality in every Blum product. All Blum runners must pass these tests without showing a measurable reduction in performance or deviation in adjustment position. Testing standards vary between products and applications.

All Blum runners meet or exceed ANSI/BHMA 156.9 grade 1 requirements. Contact your local Blum representative for more details.

**Dynamic wear test**

100,000 open/close cycles with a total load of 75 lb on TANDEMBOX 378 and 150 lb on TANDEMBOX 376 550 (22”) drawers.

**Static load test**

10 times for 10 seconds each time when completely extended, 66 lb is applied to the corner of the drawer front of a fully loaded drawer.

**Side pressure test**

10 times for 10 seconds each time when completely extended, 44 lb is applied to the side of the drawer front of a fully loaded drawer.

> **General Information**

All Blum hardware undergoes strict quality control procedures through all stages of production. Blum hardware is designed for cabinets and cabinet components made from wood, melamine or MDF. Careful attention must be paid to installation and operating instructions when using Blum hardware (see catalogs and instruction sheets for all technical information). The manufacturer must decide on the screws or attachment methods to suit the material being used (i.e. wood, melamine, etc.). The hardware must not be exposed to acidic or corrosive materials (i.e. some household cleaning solutions). To ensure that Blum hardware functions correctly, it must be kept clean and undamaged. For any additional information please contact your Blum representative. Anyone selling Blum hardware must ensure that their customer is aware of any relevant information given in this catalog. Care and cleaning – use a clean damp cloth.

**Conditions of Sale and Delivery**

All deliveries and services are based on the “general conditions of sale” which are available upon request. The technical presentations and dimensions in illustrations are non-binding. We reserve the right to make changes to specifications at any time. We do not accept any responsibility for any errors which may occur in the production of this catalog.
Easy Adjustment with Just A Few Turns

One of the many benefits of the TANDEMBOX system is the fully integrated three-dimensional adjustment mechanism. Height, side and front removal can be made easily through the opening in the drawer side beneath the cover cap.

For drawers with gallery rails, tilt adjustment can be achieved by an adjustment at the end of the rail. Additionally, the drawer front can also be removed quickly with just a turn.

Adjustment for TANDEMBOX – N, M and Gallery Drawers

- Height Adjustment
- Tilt Adjustment
- Side Adjustment
- Front Removal
BLUMOTION
All TANDEMBOX profiles have integrated BLUMOTION soft close technology, creating an unsurpassed opening and closing experience. BLUMOTION adapts to different weights and closing forces to give a smooth and silent close every time. Whether it is a small top drawer or a wide deep drawer, BLUMOTION guarantees the soft close you have come to expect from Blum.

ELEGANT DRAWER SIDE FINISH
The drawer sides are available in a stylish gray finish, which include color coordinated cover caps.

SERVO-DRIVE
SERVO-DRIVE is an opening feature for TANDEMBOX. Drawers open automatically with just a touch of the drawer front or with a light pull of the handle. This unique feature is based on an electrical drive unit that, once activated, opens the drawer for you. For ordering information please visit blum.com to download the SERVO-DRIVE brochure (LIT.SDR1000).
> Online Resource for Planning

**Easy Planning**
Blum offers many online tools to help you with your kitchen planning and ordering. Online Product Configurator (OPC) offers a parts list and planning information based on your specifications. Once complete, your results can then be exported to a shareable document.

OPC is easily accessible on our website at blum.com/configurator

> Connect With Us on Social Media

Be sure to connect with us on social media for additional resources for information regarding tips on installation, maximizing storage space, new products and other news and events going on inside Blum.

Find us by searching “Blum Inc” in the search bar.

> Easy Assembly App

The Blum Easy Assembly App makes assembling and installing Blum products easy.

With a quick download on your mobile device, Blum’s Easy Assembly App is a helpful reference tool that uses instruction sheets and videos to clearly show step-by-step directions for every product. Whether you are in the cabinet shop or on the jobsite, the Easy Assembly App is at your fingertips whenever you need it.
Special Applications

SPACE CORNER M Height

pages 48 - 51

SPACE CORNER with Single Gallery

pages 52 - 55

Dual Sink Drawer

pages 56 - 57

Waste/recycle Set with SERVO-DRIVE

pages 58 - 59
Application Page
Provides details of the application and an overview of the parts that make up the drawer.

Installation Dimensions
Cabinet profile installation and cutting dimensions for the bottom and back of the drawer.

Required Parts
Contains all necessary components with part numbers listed to order the drawer.

Specifications
Front and rear fixing bracket installation specifications.
Step 1

Measure inside cabinet width

Use inside cabinet width (ICW) to calculate the drawer bottom and back dimensions. Formulas are found on the specification page of each application.

**M height example:**

A. Drawer bottom: Width = Inside cabinet width minus 75 (2-15/16")
   Length = Actual cabinet profile length minus 24 (15/16")

B. Drawer back: Width = Inside cabinet width minus 87 (3-7/16")
   Height = 84 (3-5/16")

**NOTE:** Minimum inside cabinet width = 125 (4-15/16")

Use 16 (5/8") material for drawer bottom and back.

Step 2

Attach drawer back

Rear fixing brackets are attached with #6 x 1/2" truss head screws (612TH). The drawer back, with rear fixing brackets attached, snaps into the rear of both drawer profiles.

Step 3

Slide drawer bottom into drawer sides

The drawer bottom slides into the drawer profiles.

Step 4

Attach drawer front

Follow the installation drawing for locating hole positions for front fixing brackets (and optional gallery rods if used) and pre-bore the necessary INSERTA Ø10 x 12 holes (screw-on versions also available). Attach front fixing brackets and snap drawer front onto drawer.

Step 5

Attach drawer bottom with screws

Push the drawer bottom flush with the front of the drawer. Pre-bore and attach with wood screws (612TH).

Attach cover caps to drawer side.
Components

Application

Features
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Two-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb
- Drawer side height 69 (2-11/16")

Space Requirements

AL = Actual cabinet profile length

*Minimum opening height based on 3 (1/8") clearance

NOTE: Parts identified on right page
### Rear fixing bracket set

**Set includes:**
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>75 lb</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>400 (15-3/4&quot;)</td>
<td>578.4001B</td>
<td>378N4002SA</td>
</tr>
<tr>
<td>18&quot;</td>
<td>450 (17-11/16&quot;)</td>
<td>578.4501B</td>
<td>378N4502SA</td>
</tr>
<tr>
<td>20&quot;</td>
<td>500 (19-11/16&quot;)</td>
<td>578.5001B</td>
<td>378N5002SA</td>
</tr>
<tr>
<td>22&quot;</td>
<td>550 (21-5/8&quot;)</td>
<td>578.5501B</td>
<td>378N5502SA</td>
</tr>
</tbody>
</table>

Installation wood screw: 707N
Installation system screw: 661.1300.HG

### Front fixing bracket

- Two required per drawer
- For use with N and M height drawer profiles only

**INSERTA**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Screw-on</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSERTA</td>
<td>ZSF.39A2</td>
</tr>
<tr>
<td>Screw-on</td>
<td>ZSF.35A2</td>
</tr>
</tbody>
</table>

*Use of #6 x 3/4" minimum truss head screw is recommended*
Cabinet profile installation

**NOTE:** Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

**Drawer bottom**
Width = Inside cabinet width minus **75** (2-15/16")
Length = Actual cabinet profile length minus **24** (15/16")

**Drawer back**
Width = Inside cabinet width minus **87** (3-7/16")
Height = **69** (2-11/16")

**AL =** Actual cabinet profile length
**ICW =** Inside cabinet width

**NOTE:** Use 16 (5/8") material for bottom and back
Front fixing bracket installation

Drawer front

Cabinet

*Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5

Rear fixing bracket installation

Drawer back
Application

Features
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Two-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb and 150 lb
- Drawer side height 84 (3-5/16”)

Space Requirements

AL = Actual cabinet profile length
*Minimum opening height based on 3 (1/8”) clearance

Components

NOTE: Parts identified on right page
# Cabinet and drawer profile sets

**Sets include:**
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>75 lb</th>
<th>150 lb</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>11&quot;</td>
<td>270 (10-5/8&quot;)</td>
<td>578.2701B</td>
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<td>378M2702SA</td>
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<td>14&quot;</td>
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<td></td>
<td>378M4002SA</td>
</tr>
<tr>
<td>18&quot;</td>
<td>450 (17-11/16&quot;)</td>
<td>578.4501B</td>
<td>576.4501B</td>
<td>378M4502SA</td>
</tr>
<tr>
<td>20&quot;</td>
<td>500 (19-11/16&quot;)</td>
<td>578.5001B</td>
<td>576.5001B</td>
<td>378M5002SA</td>
</tr>
<tr>
<td>22&quot;</td>
<td>550 (21-5/8&quot;)</td>
<td>578.5501B</td>
<td>576.5501B</td>
<td>378M5502SA</td>
</tr>
<tr>
<td>24&quot;</td>
<td>600 (23-5/8&quot;)</td>
<td>576.6001B</td>
<td></td>
<td>378M6002SA</td>
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<tr>
<td>26&quot;</td>
<td>650 (25-9/16&quot;)</td>
<td>576.6501B</td>
<td></td>
<td>378M6502SA</td>
</tr>
</tbody>
</table>

**Installation wood screw**
- 707N
- 707N

**Installation system screw**
- 661.1300.HG
- 661.1300.HG

---

### Rear fixing bracket set

**Set includes:**
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z30M000S.04</td>
<td>Rear fixing bracket set</td>
</tr>
<tr>
<td>612TH</td>
<td>Installation screw</td>
</tr>
</tbody>
</table>

---

### Front fixing bracket

**Set includes:**
- Two required per drawer
- For use with N and M height drawer profiles only

**Part no.**

<table>
<thead>
<tr>
<th>INSERTA</th>
<th>ZSF.39A2</th>
</tr>
</thead>
</table>

**Screw-on**

<table>
<thead>
<tr>
<th>INSERTA</th>
<th>ZSF.35A2</th>
</tr>
</thead>
</table>

*Use of #6 x 3/4" minimum truss head screw is recommended*
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

Drawer bottom
Width = Inside cabinet width minus 75 (2-15/16")
Length = Actual cabinet profile length minus 24 (15/16")

Drawer back
Width = Inside cabinet width minus 87 (3-7/16")
Height = 84 (3-5/16")

AL = Actual cabinet profile length
ICW = Inside cabinet width

NOTE: Use 16 (5/8") material for bottom and back
Front fixing bracket installation

*Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5

Rear fixing bracket installation

Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc.
**Components**

**Features**
- Full extension drawer system with BLUMOTION
- TANDEM smooth running action
- Three-dimensional drawer front adjustment
- Dynamic load capacities of 75 lb and 150 lb
- Drawer side height 146 (5-3/4”)

**Space Requirements**
- AL = Actual cabinet profile length
- *Minimum opening height based on 3 (1/8”) clearance

**NOTE:** Parts identified on right page
Cabinet and drawer profile sets

Sets include:
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>1 Cabinet profile</th>
<th>2 Drawer profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>16”</td>
<td>400 (15-3/4”)</td>
<td>578.4001B</td>
<td>378M4002SA</td>
</tr>
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<td>450 (17-11/16”)</td>
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<td>500 (19-11/16”)</td>
<td>578.5001B</td>
<td>378M5002SA</td>
</tr>
<tr>
<td>22”</td>
<td>550 (21-5/8”)</td>
<td>578.5501B</td>
<td>378M5502SA</td>
</tr>
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<td>24”</td>
<td>600 (23-5/8”)</td>
<td>576.6001B</td>
<td>378M6002SA</td>
</tr>
<tr>
<td>26”</td>
<td>650 (25-9/16”)</td>
<td>576.6501B</td>
<td>378M6502SA</td>
</tr>
</tbody>
</table>

Installation wood screw:
707N, 612TH

Installation system screw:
661.1300.HG, 661.1300.HG

Top gallery rail set

Set includes:
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4”)</td>
<td>ZRG.337RSIC</td>
</tr>
<tr>
<td>450 (17-11/16”)</td>
<td>ZRG.387RSIC</td>
</tr>
<tr>
<td>500 (19-11/16”)</td>
<td>ZRG.437RSIC</td>
</tr>
<tr>
<td>550 (21-5/8”)</td>
<td>ZRG.487RSIC</td>
</tr>
<tr>
<td>600 (23-5/8”)</td>
<td>ZRG.537RSIC</td>
</tr>
<tr>
<td>650 (25-9/16”)</td>
<td>ZRG.587RSIC</td>
</tr>
</tbody>
</table>

Rear fixing bracket set

Set includes:
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Rear fixing bracket set</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z30B000S.04</td>
<td>612TH</td>
</tr>
</tbody>
</table>

Front fixing bracket

Set includes:
- Two required per drawer
- For use with N and M height drawer profiles only

Part no.
<table>
<thead>
<tr>
<th>INSERTA</th>
<th>ZSF.39A2</th>
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</thead>
<tbody>
<tr>
<td>Screw-on</td>
<td>ZSF.35A2</td>
</tr>
</tbody>
</table>

"Use of #6 x 3/4" minimum truss head screw is recommended"
Cabinet profile installation

**NOTE:** Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

**Drawer bottom**

Width = Inside cabinet width minus 75 (2-15/16"

Length = Actual cabinet profile length minus 24 (15/16")

**Drawer back**

Width = Inside cabinet width minus 87 (3-7/16"

Height = 135 (5-5/16")

**NOTE:** Use 16 (5/8") material for bottom and back
Front fixing bracket installation

*Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5

Rear fixing bracket installation

Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc.
Components

Application

Features

- Full extension drawer system with BLUMOTION
- TANDEM smooth running action
- Three-dimensional drawer front adjustment
- Dynamic load capacities of 75 lb and 150 lb
- Drawer side height 207 (8-1/8”)

Space Requirements

AL = Actual cabinet profile length

*Minimum opening height based on 3 (1/8”) clearance

NOTE: Parts identified on right page
### Cabinet and drawer profile sets

**Sets include:**
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>1 Cabinet profile</th>
<th>2 Drawer profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>400 (15-3/4&quot;)</td>
<td>578.4001B</td>
<td>378M4002SA</td>
</tr>
<tr>
<td>18&quot;</td>
<td>450 (17-11/16&quot;)</td>
<td>578.4501B</td>
<td>378M4502SA</td>
</tr>
<tr>
<td>20&quot;</td>
<td>500 (19-11/16&quot;)</td>
<td>578.5001B</td>
<td>378M5002SA</td>
</tr>
<tr>
<td>22&quot;</td>
<td>550 (21-5/8&quot;)</td>
<td>578.5501B</td>
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</tr>
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<td>600 (23-5/8&quot;)</td>
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<td>378M6002SA</td>
</tr>
<tr>
<td>26&quot;</td>
<td>650 (25-9/16&quot;)</td>
<td>576.6501B</td>
<td>378M6502SA</td>
</tr>
</tbody>
</table>

**Installation wood screw**
- 707N
- 612TH

**Installation system screw**
- 661.1300.HG

### Top gallery rail set

**Set includes:**
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>3 Top gallery rail set</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4&quot;)</td>
<td>ZRG.337RSIC</td>
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<tr>
<td>450 (17-11/16&quot;)</td>
<td>ZRG.387RSIC</td>
</tr>
<tr>
<td>500 (19-11/16&quot;)</td>
<td>ZRG.437RSIC</td>
</tr>
<tr>
<td>550 (21-5/8&quot;)</td>
<td>ZRG.487RSIC</td>
</tr>
<tr>
<td>600 (23-5/8&quot;)</td>
<td>ZRG.537RSIC</td>
</tr>
<tr>
<td>650 (25-9/16&quot;)</td>
<td>ZRG.587RSIC</td>
</tr>
</tbody>
</table>

### Rear fixing bracket set

**Set includes:**
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear fixing bracket set</td>
</tr>
<tr>
<td>Installation screw</td>
</tr>
</tbody>
</table>

### Front fixing bracket

**Set includes:**
- Two required per drawer
- For use with N and M height drawer profiles only

<table>
<thead>
<tr>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSERTA</td>
</tr>
<tr>
<td>Screw-on</td>
</tr>
</tbody>
</table>

*Use of #6 x 3/4" minimum truss head screw is recommended*
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

**Drawer bottom**
Width = Inside cabinet width minus 75 (2-15/16")
Length = Actual cabinet profile length minus 24 (15/16")

**Drawer back**
Width = Inside cabinet width minus 87 (3-7/16")
Height = 199 (7-13/16")

AL = Actual cabinet profile length
ICW = Inside cabinet width

NOTE: Use 16 (5/8") material for bottom and back
Front fixing bracket installation

- Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø 2 x 2.5

Rear fixing bracket installation

- Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc.
Components

**Application**

- Full extension drawer system with BLUMOTION
- TANDEM smooth running action
- Three-dimensional drawer front adjustment
- Dynamic load capacities of 75 lb and 150 lb
- Drawer side height 207 (8-1/8”)

**Features**

**Space Requirements**

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3a</th>
<th>3b</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL = Actual cabinet profile length</td>
<td><strong>Note:</strong> Minimum opening height based on 3 (1/8”) clearance</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Parts identified on right page
Cabinet and drawer profile sets

Sets include:
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>75 lb</th>
<th>150 lb</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>22”</td>
<td>550 (21-5/8”)</td>
<td>578.5501B</td>
<td>576.5501B</td>
<td>378M5502SA</td>
</tr>
</tbody>
</table>

Installation wood screw
- 707N

Installation system screw
- 661.1300.HG

Top gallery rail set

Set includes:
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4”)</td>
<td>ZRG.337RSIC</td>
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<tr>
<td>450 (17-11/16”)</td>
<td>ZRG.387RSIC</td>
</tr>
<tr>
<td>500 (19-11/16”)</td>
<td>ZRG.437RSIC</td>
</tr>
<tr>
<td>550 (21-5/8”)</td>
<td>ZRG.487RSIC</td>
</tr>
</tbody>
</table>

Center gallery rail set

Set includes:
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4”)</td>
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<tr>
<td>450 (17-11/16”)</td>
<td>ZRG.387RSIE</td>
</tr>
<tr>
<td>500 (19-11/16”)</td>
<td>ZRG.437RSIE</td>
</tr>
<tr>
<td>550 (21-5/8”)</td>
<td>ZRG.487RSIE</td>
</tr>
</tbody>
</table>

Rear fixing bracket set

Set includes:
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Screw-on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z30D000SLL</td>
<td>INSERTA</td>
</tr>
<tr>
<td>612TH</td>
<td>ZSF.39A2</td>
</tr>
</tbody>
</table>

Front fixing bracket

- Two required per drawer
- For use with N and M height drawer profiles only

Part no.
- INSERTA ZSF.39A2
- Screw-on ZSF.35A2

*Use of #6 x 3/4” minimum truss head screw is recommended
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

**Drawer bottom**
Width = Inside cabinet width minus 75 (2-15/16")
Length = Actual cabinet profile length minus 24 (15/16")

**Drawer back**
Width = Inside cabinet width minus 87 (3-7/16")
Height = 199 (7-13/16")

AL = Actual cabinet profile length
ICW = Inside cabinet width

NOTE: Use 16 (5/8") material for bottom and back
Front fixing bracket installation

*Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5

Rear fixing bracket installation

Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc.
**Components**

**Application**

**Features**
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Three-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb and 150 lb
- Drawer side height 207 (8-1/8")

**Space Requirements**

AL = Actual cabinet profile length

^ Minimum opening height based on 3 (1/8") clearance

**NOTE:** Parts identified on right page
Cabinet and drawer profile sets

Sets include:
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>75 lb</th>
<th>150 lb</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>18”</td>
<td>450 (17-11/16”)</td>
<td>578.4501B</td>
<td>576.4501B</td>
<td>378M4502SA</td>
</tr>
<tr>
<td>20”</td>
<td>500 (19-11/16”)</td>
<td>578.5001B</td>
<td>576.5001B</td>
<td>378M5002SA</td>
</tr>
<tr>
<td>22”</td>
<td>550 (21-5/8”)</td>
<td>578.5501B</td>
<td>576.5501B</td>
<td>378M5502SA</td>
</tr>
<tr>
<td>26”</td>
<td>650 (25-9/16”)</td>
<td>576.6501B</td>
<td>576.6501B</td>
<td>378M6502SA</td>
</tr>
</tbody>
</table>

Installation wood screw
- 707N
- 707N
- 612TH

Installation system screw
- 661.1300.HG
- 661.1300.HG

Top gallery rail set

Set includes:
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 (17-11/16”)</td>
<td>ZRG.387RSIC</td>
</tr>
<tr>
<td>500 (19-11/16”)</td>
<td>ZRG.437RSIC</td>
</tr>
<tr>
<td>550 (21-5/8”)</td>
<td>ZRG.487RSIC</td>
</tr>
<tr>
<td>650 (25-9/16”)</td>
<td>ZRG.587RSIC</td>
</tr>
</tbody>
</table>

Metal design element

- Two required per drawer

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 (17-11/16”)</td>
<td>Z37A417D</td>
</tr>
<tr>
<td>500 (19-11/16”)</td>
<td>Z37A467D</td>
</tr>
<tr>
<td>550 (21-5/8”)</td>
<td>Z37A517D</td>
</tr>
<tr>
<td>650 (25-9/16”)</td>
<td>Z37A617D</td>
</tr>
</tbody>
</table>

Gallery bracket set

Set includes:
- Left and right rear bracket
- Front fixing clips (qty 4)

<table>
<thead>
<tr>
<th>Gray</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(R906)</td>
<td>Z36D0080</td>
</tr>
</tbody>
</table>

Rear fixing bracket set

Set includes:
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z30D000SL</td>
</tr>
</tbody>
</table>

Front fixing bracket

- Two required per drawer
- For use with N and M height drawer profiles only

<table>
<thead>
<tr>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSERTA</td>
</tr>
<tr>
<td>Screw-on</td>
</tr>
</tbody>
</table>

*Use of #6 x 3/4” minimum truss head screw is recommended
### Cabinet profile installation

![Diagram of cabinet profile installation]

**NOTE:** Recommended screw locations in orange (system screws or #7 wood screws)

### Cutting dimensions for bottom and back

**Drawer bottom**
- Width = Inside cabinet width minus 75 (2-15/16")
- Length = Actual cabinet profile length minus 24 (15/16")

**Drawer back**
- Width = Inside cabinet width minus 87 (3-7/16")
- Height = 199 (7-13/16")

**AL** = Actual cabinet profile length
**ICW** = Inside cabinet width

**NOTE:** Use 16 (5/8") material for bottom and back
Front fixing bracket installation

*Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5

Rear fixing bracket installation
TANDEMBOX

Application

Features
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Two-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb and 150 lb
- Drawer side height 84 (3-5/16")

Space Requirements
AL = Actual cabinet profile length
*Minimum opening with handle and 3 (1/8") clearance

Components

NOTE: Parts identified on right page
Cabinet and drawer profile sets

Sets include:
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>75 lb</th>
<th>150 lb</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>11&quot;</td>
<td>270 (10-5/8&quot;)</td>
<td>578.2701B</td>
<td></td>
<td>378M2702SA</td>
</tr>
<tr>
<td>14&quot;</td>
<td>350 (13-3/4&quot;)</td>
<td>578.3501B</td>
<td></td>
<td>378M3502SA</td>
</tr>
<tr>
<td>16&quot;</td>
<td>400 (15-3/4&quot;)</td>
<td>578.4001B</td>
<td></td>
<td>378M4002SA</td>
</tr>
<tr>
<td>18&quot;</td>
<td>450 (17-11/16&quot;)</td>
<td>578.4501B</td>
<td>576.4501B</td>
<td>378M4502SA</td>
</tr>
<tr>
<td>20&quot;</td>
<td>500 (19-11/16&quot;)</td>
<td>578.5001B</td>
<td>576.5001B</td>
<td>378M5002SA</td>
</tr>
<tr>
<td>22&quot;</td>
<td>550 (21-5/8&quot;)</td>
<td>578.5501B</td>
<td>576.5501B</td>
<td>378M5502SA</td>
</tr>
<tr>
<td>24&quot;</td>
<td>600 (23-5/8&quot;)</td>
<td>576.6001B</td>
<td></td>
<td>378M6002SA</td>
</tr>
<tr>
<td>26&quot;</td>
<td>650 (25-9/16&quot;)</td>
<td>576.6501B</td>
<td></td>
<td>378M6502SA</td>
</tr>
</tbody>
</table>

Installation wood screw | 707N | 707N | 612TH
Installation system screw | 661.1300.HG | 661.1300.HG

Front piece
- Length 1036 (40-13/16"), cut to size
- Gray (R906)

Part no. Front piece | Z31L1036A

Rear fixing bracket set

Set includes:
- Left and right bracket
- Gray (R906)

Part no. Rear fixing bracket set | Z30M000S.04
Installation screw | 612TH

Interior front handle
- Dust gray (R737)

Part no. Interior front handle | ZIF.80M5

Front fixing bracket set – nylon

Set includes:
- Left and right bracket
- Bottom support
- Gray (R906)

Part no. Nylon bracket set | ZIF.71M0

Interior front handle with latch
- Dust gray (R737)

Part no. Handle with latch | ZIF.80M7
### Cabinet profile installation

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>270</td>
</tr>
<tr>
<td>400</td>
<td>350</td>
</tr>
<tr>
<td>450</td>
<td>400</td>
</tr>
<tr>
<td>450</td>
<td>450</td>
</tr>
<tr>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>500</td>
<td>550</td>
</tr>
<tr>
<td>550</td>
<td>550</td>
</tr>
<tr>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>650</td>
<td>650</td>
</tr>
</tbody>
</table>

**NOTE:** Recommended screw locations in orange (system screws or #7 wood screws)

### Cutting dimensions for bottom and back

**Drawer bottom**

- Width = Inside cabinet width minus 75 (2-15/16”)
- Length = Actual cabinet profile length minus 24 (15/16”)

**Drawer back**

- Width = Inside cabinet width minus 87 (3-7/16”)
- Height = 84 (3-5/16”)

**AL** = Actual cabinet profile length

**ICW** = Inside cabinet width

**NOTE:** Use 16 (5/8”) material for bottom and back
Rear fixing bracket installation

*Measurement for use with handle (ZIF.80M5)

Cutting front piece

Using a metal cutting blade, cut front piece to size.

\[ X = \text{Inside cabinet width minus } 132 \text{ (5-3/16")} \]

Operation with interior front handle enabled

Enable/disable interior front handle

Push to release

Use coin to enable/disable
Components

NOTE: Parts identified on right page

Application

Features

- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Three-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb and 150 lb
- Drawer side height 207 (8-1/8")

Space Requirements

AL = Actual cabinet profile length

*Minimum opening height based on 3 (1/8") clearance
## Required Parts

### Cabinet and drawer profile sets

**Sets include:**
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>Cabinet profile</th>
<th>Drawer profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>400 (15-3/4&quot;)</td>
<td>578.4001B</td>
<td>378M4002SA</td>
</tr>
<tr>
<td>18&quot;</td>
<td>450 (17-11/16&quot;)</td>
<td>578.4501B</td>
<td>378M4502SA</td>
</tr>
<tr>
<td>20&quot;</td>
<td>500 (19-11/16&quot;)</td>
<td>578.5001B</td>
<td>378M5002SA</td>
</tr>
<tr>
<td>22&quot;</td>
<td>550 (21-5/8&quot;)</td>
<td>578.5501B</td>
<td>378M5502SA</td>
</tr>
<tr>
<td>24&quot;</td>
<td>600 (23-5/8&quot;)</td>
<td>576.6001B</td>
<td>378M6002SA</td>
</tr>
<tr>
<td>26&quot;</td>
<td>650 (25-9/16&quot;)</td>
<td>576.6501B</td>
<td>378M6502SA</td>
</tr>
</tbody>
</table>

Installation wood screw: 707N, Installation system screw: 661.1300.HG

### Top gallery rail set

**Set includes:**
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4&quot;)</td>
<td>ZRG.337RSIC</td>
</tr>
<tr>
<td>450 (17-11/16&quot;)</td>
<td>ZRG.387RSIC</td>
</tr>
<tr>
<td>500 (19-11/16&quot;)</td>
<td>ZRG.437RSIC</td>
</tr>
<tr>
<td>550 (21-5/8&quot;)</td>
<td>ZRG.487RSIC</td>
</tr>
<tr>
<td>600 (23-5/8&quot;)</td>
<td>ZRG.537RSIC</td>
</tr>
<tr>
<td>650 (25-9/16&quot;)</td>
<td>ZRG.587RSIC</td>
</tr>
</tbody>
</table>

### Cross rail

**Set includes:**
- Left and right bracket
- Gray (R906)

**Part no.**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Cross rail</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZRG.1046Z</td>
<td></td>
</tr>
</tbody>
</table>

### Front piece

**Set includes:**
- Length 1036 (40-13/16"), cut to size
- Gray (R906)

**Part no.**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Front piece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z31L1036A</td>
<td></td>
</tr>
</tbody>
</table>

### Rear fixing bracket set

**Set includes:**
- Left and right bracket
- Gray (R906)

**Part no.**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Rear fixing bracket set</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z30D0005L</td>
<td></td>
</tr>
</tbody>
</table>

### Front fixing bracket set – nylon

**Set includes:**
- Left and right bracket
- Bottom support
- Gray (R906)

**Part no.**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Front fixing bracket set</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZIF.75D0.US</td>
<td></td>
</tr>
</tbody>
</table>
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

**Drawer bottom**
Width = Inside cabinet width minus 75 (2-15/16")
Length = Actual cabinet profile length minus 24 (15/16")

**Drawer back**
Width = Inside cabinet width minus 87 (3-7/16")
Height = 199 (7-13/16")

AL = Actual cabinet profile length
ICW = Inside cabinet width

NOTE: Use 16 (5/8") material for bottom and back
Front fixing bracket installation

**Cutting front piece**
Using metal cutting blade, cut front piece to size.

\[ X = \text{Inside cabinet width} - 132 \text{ (5-3/16")} \]

**Cutting cross rail**
Using metal cutting blade, cut cross rail to size.

\[ X = \text{Inside cabinet width} - 122 \text{ (4-13/16")} \]
Components

NOTE: Parts identified on right page

Features
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Three-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb and 150 lb
- Drawer side height 207 (8-1/8”)

Space Requirements
AL = Actual cabinet profile length
*Minimum opening height based on 3 (1/8”) clearance

Components
## Cabinet and drawer profile sets

**Sets include:**
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>Cabinet profile</th>
<th>1</th>
<th>Drawer profile</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>400 (15-3/4&quot;)</td>
<td>75 lb</td>
<td>378M4002SA</td>
<td>150 lb</td>
<td>Gray 378M4502SA</td>
</tr>
<tr>
<td>18&quot;</td>
<td>450 (17-11/16&quot;)</td>
<td>578.4001B</td>
<td>378M5002SA</td>
<td></td>
<td>576.4501B</td>
</tr>
<tr>
<td>20&quot;</td>
<td>500 (19-11/16&quot;)</td>
<td>578.5001B</td>
<td>378M5502SA</td>
<td></td>
<td>576.5001B</td>
</tr>
<tr>
<td>22&quot;</td>
<td>550 (21-5/8&quot;)</td>
<td>578.5501B</td>
<td></td>
<td>576.5501B</td>
<td></td>
</tr>
</tbody>
</table>

Installation wood screw: 707N 707N 612TH

Installation system screw: 661.1300.HG 661.1300.HG

### Top gallery rail set

**Set includes:**
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4&quot;)</td>
<td>ZRG.337RSIC</td>
<td>4</td>
</tr>
<tr>
<td>450 (17-11/16&quot;)</td>
<td>ZRG.387RSIC</td>
<td>5</td>
</tr>
<tr>
<td>500 (19-11/16&quot;)</td>
<td>ZRG.437RSIC</td>
<td>6</td>
</tr>
<tr>
<td>550 (21-5/8&quot;)</td>
<td>ZRG.487RSIC</td>
<td>7</td>
</tr>
</tbody>
</table>

### Center gallery rail set

**Set includes:**
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Gray</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 (15-3/4&quot;)</td>
<td>ZRG.337RSIE</td>
<td>9</td>
</tr>
<tr>
<td>450 (17-11/16&quot;)</td>
<td>ZRG.387RSIE</td>
<td>10</td>
</tr>
<tr>
<td>500 (19-11/16&quot;)</td>
<td>ZRG.437RSIE</td>
<td>11</td>
</tr>
<tr>
<td>550 (21-5/8&quot;)</td>
<td>ZRG.487RSIE</td>
<td>12</td>
</tr>
</tbody>
</table>

### Front piece

**Length 1036 (40-13/16"), cut to size**
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front piece</td>
<td>Z31L1036A</td>
</tr>
</tbody>
</table>

### Rear fixing bracket set

**Set includes:**
- Left and right bracket
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear fixing bracket set</td>
<td>Z30D0005SL</td>
</tr>
<tr>
<td>Installation screw</td>
<td>612TH</td>
</tr>
</tbody>
</table>

### Cross rail

**Length 1046 (41-3/16"), cut to size**
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross rail</td>
<td>ZRG.1046Z</td>
</tr>
</tbody>
</table>

### Front fixing bracket set – nylon

**Set includes:**
- Left and right bracket
- Bottom support
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front fixing bracket set</td>
<td>ZIF.75D0.US</td>
</tr>
</tbody>
</table>
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

Cutting dimensions for bottom and back

**Drawer bottom**
Width = Inside cabinet width minus 75 (2-15/16")
Length = Actual cabinet profile length minus 24 (15/16")

**Drawer back**
Width = Inside cabinet width minus 87 (3-7/16")
Height = 199 (7-13/16")

AL = Actual cabinet profile length
ICW = Inside cabinet width

NOTE: Use 16 (5/8") material for bottom and back
Front fixing bracket installation

**Drawer front**

**Cabinet**

*Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5

### Cutting cross rail

Using metal cutting blade, cut cross rail to size.

\[ X = \text{Inside cabinet width minus 122 (4-13/16")} \]

### Cutting front piece

Using metal cutting blade, cut front piece to size.

\[ X = \text{Inside cabinet width minus 132 (5-3/16")} \]
**Application**

**Features**
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Two-dimensional drawer front adjustment
- Dynamic load capacity of 150 lb

**Space Requirements**

AL = Actual cabinet profile length

*Minimum opening height based on 3 (1/8") clearance

**Components**

3b

2

3a

3c
Cabinet and drawer profile sets

Sets include:
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>Cabinet profile</th>
<th>Drawer profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;</td>
<td>600 (23-5/8&quot;)</td>
<td>150 lb 576.6001B</td>
<td>600 (23-5/8&quot;) 378M6002SA</td>
</tr>
<tr>
<td>26&quot;</td>
<td>650 (25-9/16&quot;)</td>
<td>150 lb 576.6501B</td>
<td>650 (25-9/16&quot;) 378M6502SA</td>
</tr>
</tbody>
</table>

Installation wood screw
- 707N 612TH

Installation system screw
- 661.1300.HG

SPACE CORNER set – M Height

Set includes:

3a Corner rear fixing bracket (qty 2)
3b Corner front piece (gray only) (qty 2)
3c Drawer front support bracket (qty 2)

- Rear fixing bracket available in gray (R906)

Part no.
- SPACE CORNER set ZSF.340E.M1
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

### Drawer back cutting dimensions

- **Right back piece**: \(X = \text{Opening width minus 75} \times 0.707\)
- **Left back piece**: \(X = \text{Right back piece length minus 16}\)

### Drawer bottom cutting dimensions

- **Bottom width**: Inside cabinet width minus 75 (2-15/16")
- **Bottom length**: Bottom width divided by two, plus actual cabinet profile length minus 4 (3/16")

**NOTE:** Use 16 (5/8") material for bottom
**SPACE CORNER preparation for ORGA-LINE**

In order to use ORGA-LINE in an M height SPACE CORNER, the drawer must be fitted with two vertical wooden cross dividers that are spaced 474 (18-11/16”) apart.

---

**Front fixing bracket installation**

**EXPANDO**

---

**Corner rear fixing bracket installation**

---

**Cabinet measurements**

A minimum clearance of 3 (1/8”) must be maintained between the opening path of the drawer front of the SPACE CORNER and the edge of the adjacent drawer front (including the drawer handle).

To facilitate this, the edge of the SPACE CORNER drawer fronts should be cut at a 45 degree angle.
Components

- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Three-dimensional drawer front adjustment
- Dynamic load capacity of 150 lb

Space Requirements

- AL = Actual cabinet profile length
- Minimum opening height based on 3 (1/8") clearance
**Cabinet and drawer profile sets**

**Sets include:**
- Left and right profile
- Drawer profile includes color coordinated cover caps

<table>
<thead>
<tr>
<th>Nominal length</th>
<th>Actual cabinet profile length</th>
<th>Cabinet profile</th>
<th>Drawer profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;</td>
<td>600 (23-5/8&quot;)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>26&quot;</td>
<td>650 (25-9/16&quot;)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Installation wood screw

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Installation system screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>707N</td>
<td>612TH</td>
</tr>
</tbody>
</table>

**Top gallery rail set**

**Set includes:**
- Left and right gallery rail

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 (23-5/8&quot;)</td>
<td>ZRG.537RSIC</td>
</tr>
<tr>
<td>650 (25-9/16&quot;)</td>
<td>ZRG.587RSIC</td>
</tr>
</tbody>
</table>

**Metal design element**

- Two required per drawer
- Gray (R906)

<table>
<thead>
<tr>
<th>Actual cabinet profile length</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>650 (25-9/16&quot;)</td>
<td>Z37A617D</td>
</tr>
</tbody>
</table>

**SPACE CORNER set – D height**

**Set includes:**
- Corner rear fixing bracket (qty 2)
- Corner front piece (qty 2)
- Drawer front support bracket (qty 2)
- Corner rear fixing bracket available in gray (R906)

**Gallery bracket set**

**Set includes:**
- Left and right rear brackets
- Front fixing clips (qty 4)
- Gray (R906)

<table>
<thead>
<tr>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z36D0080</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc.
Cabinet profile installation

NOTE: Recommended screw locations in orange (system screws or #7 wood screws)

**Drawer back cutting dimensions**

<table>
<thead>
<tr>
<th>Component</th>
<th>Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right back piece</td>
<td>X = Inside cabinet width minus 75 x 0.707</td>
</tr>
<tr>
<td>Left back piece</td>
<td>X = Right back piece length minus 16</td>
</tr>
</tbody>
</table>

**Drawer bottom cutting dimensions**

- Bottom width = Inside cabinet width minus 75 (2-15/16")
- Bottom length = Bottom width divided by two, plus actual cabinet profile length minus 4 (3/16")

**Calculating cutting of drawer backs**

- Right back piece: X = Inside cabinet width minus 75 x 0.707
- Left back piece: X = Right back piece length minus 16

**NOTE:** Use 16 (5/8") material for bottom
Front fixing bracket installation

EXPANDO

Corner rear fixing bracket installation

Cabinet measurements

A minimum clearance of $\frac{3}{8}$" must be maintained between the opening path of the drawer front of the SPACE CORNER and the edge of the adjacent drawer front (including the drawer handle).

To facilitate this, the edge of the SPACE CORNER drawer fronts should be cut at a 45 degree angle.
TANDEMBOX

Dual Sink Drawer

Application

Features
- Full extension drawer system with BLUMOTION
- TANDEM smooth running mechanism
- Three-dimensional drawer front adjustment
- Dynamic load capacity of 75 lb and 150 lb

M Height

D Height with Single Gallery

Required components and specifications

- M Height: page 16-19
- D Height with Single Gallery: page 24-27
### Cutting dimensions for bottom and back

**A Drawer back**
- Width = Y minus 12 then subtract 12
- M Height = 84 (3-5/16")
- D Height = 199 (7-13/16")
- Y minimum = 48 (1-7/8")
- Y maximum = Trial recommended

**B Drawer bottom**
- Minimum width = 43 (1-11/16") each
- Length = Actual cabinet profile length minus 24 (15/16")
- Y = Drawer bottom width minus (SW+63) divided by 2

AL = Actual cabinet profile length
ICW = Inside cabinet width
SW = Width of the sink
Y = Drawer bottom width of side 1 or 2 (variable)
Z = Actual cabinet profile length minus 164 (6-7/16")

**NOTE:** Use 16 (5/8") material for bottom and back

---

### Drawer front preparation

**Pre-boring dimensions for INSERTA and EXPANDO only, for screw-on pre-bore Ø2 x 2.5**
**TANDEMBOX** waste/recycle set

**Set includes:**
1. TANDEMBOX heavy duty runner set with pre-mounted #6 x 3/4" wood screws for installation (qty 8)
2. Pre-assembled silk white TANDEMBOX drawer

- Installation template and instructions
- #6 x 5/8" wood screws for attachment to drawer front (qty 10)
- TANDEMBOX cover caps (qty 2)

<table>
<thead>
<tr>
<th>TANDEMBOX waste/recycle set</th>
<th>Drawer length</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For 12&quot; minimum opening width</td>
<td>550 (21-5/8&quot;)</td>
<td>376M55B7SAB</td>
</tr>
<tr>
<td>For 15&quot; minimum opening width</td>
<td>550 (21-5/8&quot;)</td>
<td>376M55B7SAD</td>
</tr>
<tr>
<td>For 18&quot; minimum opening width</td>
<td>550 (21-5/8&quot;)</td>
<td>376M55B7SAF</td>
</tr>
</tbody>
</table>

**SERVO-DRIVE** waste/recycle set

**Set includes:**
1. Drive unit (pre-attached)
2. Double bottom bracket with #6 x 1" wood screws (qty 2)
3. Cable clips (qty 4)
4. Adapter plate
5. INSERTA cable connector
6. Screw-on distance bumpers (qty 4) with #6 x 5/8" wood screws for installation (qty 8)
7. 110 volt plug-in power supply with six feet of universal cable
8. Cable end protectors (qty 2)

- Installation template, instructions and user manual

<table>
<thead>
<tr>
<th>SERVO-DRIVE waste/recycle set</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z10NA30UGUS</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Bins not included

**Features**
- Pre-assembled bottom mount solution
- TANDEMBOX heavy duty full extension drawer system
- For 12", 15" and 18" minimum opening widths
- For face frame and frameless applications
- Three-dimensional drawer front adjustment
- Maximum 6 (1/4") cabinet bottom recess
- TANDEM smooth running action
- 175 lb static, 150 lb dynamic load rating
- SERVO-DRIVE touch-to-open feature

**Basic Components**

**Application**

**Features**

**Basic Components**

**NOTE:** Power supply will operate up to two drive units in a double bottom bracket application (second drive unit sold separately)
Specifications

Drawer and Cabinet Specifications

Front view

A retainer or wood block should be added to the TANDEMBOX drawer to secure the bins and keep them from pressing against the drawer front during daily operation.

**NOTE:** Minimum opening height = 233 (9-3/16”)

<table>
<thead>
<tr>
<th>Waste/recycle set</th>
<th>376M55B7SAB</th>
<th>376M55B7SAD</th>
<th>376M55B7SAF</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>154.5 (6-3/32”)</td>
<td>192.5 (7-19/32”)</td>
<td>230.5 (9-1/16”)</td>
</tr>
<tr>
<td>Z</td>
<td>146.5 (5-25/32”)</td>
<td>184.5 (7-1/4”)</td>
<td>222.5 (8-3/4”)</td>
</tr>
</tbody>
</table>

Minimum opening width: 305 (12”) | 381 (15”) | 457 (18”)

Set mounting specifications

Top view

**NOTE:** Orange dots indicate pre-mounted screw locations. All four screws are required to meet specified load capacities.

Important

Bin width and height must be considered when designing your cabinet (see the diagram on the left).

**Minimum inside cabinet depth**

<table>
<thead>
<tr>
<th></th>
<th>With SERVO-DRIVE</th>
<th>Without SERVO-DRIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>574 (22-19/32”)</td>
<td>569 (22-13/32”)</td>
</tr>
</tbody>
</table>

Drawer front attachment

Cabinet bottom recess

<table>
<thead>
<tr>
<th></th>
<th>6 (1/4”)</th>
<th>3 (1/8”)</th>
<th>Flush</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>16 (5/8”)</td>
<td>19 (3/4”)</td>
<td>22 (7/8”)</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc. 59
Cabinet profile template

- Used for pre-boring holes for LEGRABOX, TANDEMBOX, and TANDEM drawer runners
- Can also be used to pre-bore AVENTOS locating pins and pre-boring for hinge mounting plates

**Components**

- Cabinet profile template includes:
  1. Rail, 1 meter long (qty 1)
  2. Ø2.5 stop collar (qty 1)
  3. Ø5 stop collar (qty 1)
  4. Replacement template (qty 4)
  5. Allen wrench (qty 1)

**Part no.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet profile template</td>
<td>65.1000.01</td>
</tr>
<tr>
<td>Replacement template</td>
<td>65.1001.01</td>
</tr>
<tr>
<td>Ø2.5 drill bit</td>
<td>DB-2.5mm</td>
</tr>
</tbody>
</table>
Universal individual template

- Used for pre-boring holes for LEGRABOX, TANDEMBOX, and TANDEM drawer runners
- Can also be used to pre-bore for AVENTOS locating pins and pre-boring for hinge mounting plates
- Calibrated scale for accurate setting

Set includes:
- Universal individual template
- Ø2.5 and Ø5 stop collars

<table>
<thead>
<tr>
<th>Part no.</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal individual template</td>
<td>65.1051.02</td>
<td>Ø2.5 drill bit</td>
</tr>
<tr>
<td>Ø2.5 drill bit</td>
<td>DB-2.5mm</td>
<td></td>
</tr>
</tbody>
</table>

Pre-boring for cabinet profile mounting holes

1. Mark position
2. Line up template with mark and pre-bore required holes
3. Attach runner

Cabinet profile template SPACE CORNER stop set

- Used for pre-boring mounting screw locations in TANDEM and TANDEMBOX SPACE CORNER applications
- Ensures correct setback

<table>
<thead>
<tr>
<th>Part no.</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPACE CORNER stop set</td>
<td>65.1106</td>
<td></td>
</tr>
</tbody>
</table>
**TANDEMBOX Assembly Aids**

### Universal boring template

- **Set includes:**
  - 1 Template
  - 2 Ø5 marking pin
  - 3 Ø10 marking pin
  - 4 Ø5 stop collar
  - 5 Ø10 stop collar

- Used for boring drawer fronts, locates all fixing positions
- Used to pre-bore for drawer fronts, bottoms and backs for LEGRABOX, TANDEMBOX and METABOX drawer systems, also AVENTOS mounting plates

**Part no.**

<table>
<thead>
<tr>
<th>Universal boring template</th>
<th>ZML.0040.01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5 drill bit</td>
<td>DB-5mm</td>
</tr>
<tr>
<td>Ø10 drill bit</td>
<td>DB-10mm</td>
</tr>
</tbody>
</table>

### Using the universal boring template

1. Set stops using calibration
2. Pre-bore with Ø10 bit or mark fixing locations

**Waste Recycle set**

### TANDEMBOX front marking templates

- Used for marking front fixing locations
- For TANDEMBOX 37XM/L drawer profiles

**Includes:**
- Marking template (left and right)
- Marking flag for 37XL drawer profile (left and right)

**Part no.**

<table>
<thead>
<tr>
<th>Front marking template</th>
<th>ZML.3580.01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can mark for gallery locations</td>
<td></td>
</tr>
</tbody>
</table>

**Includes:**
- Marking template (left and right)

**Part no.**

<table>
<thead>
<tr>
<th>Gallery marking template</th>
<th>ZML.3600</th>
</tr>
</thead>
</table>

**BOXFIX E-T**

Using BOXFIX E-T you can manually assemble TANDEMBOX easier than ever. Its easy setup and comfortable work height all contribute to a more efficient assembly of TANDEMBOX drawers.

- For all TANDEMBOX heights and lengths
- For cabinet widths 250 to 1200 (9-13/16" to 47-1/4")
- For cabinet back heights up to 250 (9-13/16")

**Part no.**

BOXFIX E-T  ZMM.0350

---

**BOXFIX P**

Using the new BOXFIX P you can assemble TANDEMBOX and LEGRABOX faster than ever. Its easy setup, pneumatic clamps, and comfortable work height all contribute to faster, more efficient assembly of LEGRABOX and TANDEMBOX drawers.

- For all LEGRABOX and TANDEMBOX heights and lengths
- One adjustable stop for drawer width included (additional stops available)
- For cabinet widths 275 to 1200 (10-13/16" to 47-1/4")
- For back heights up to 350 (13-3/4")

**Part no.**

BOXFIX P  ZMM.2750.01
**MINIPRESS P – Deluxe boring and insertion machine**

- Front adjustable boring distance with digital counter
- Pneumatic hold-down clamps
- Boring depth adjustment
- Ruler stops (qty 4)
- Tool kit included
- Dust collection attachment
- Optional laser center line set
- Accepts 8 or 9 spindle heads

**Part no.**

<table>
<thead>
<tr>
<th>Single phase – 220V power</th>
<th>M53.1053*US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-phase – 220V power</td>
<td>M53.1004*US</td>
</tr>
</tbody>
</table>

---

**MINIPRESS M – 110V manual boring and insertion machine**

- 110V power with molding plug (portable)
- Does not require pressurized air
- Ruler stops (qty 4)
- Tool kit included
- Dust collection attachment
- Accepts 8 or 9 spindle heads

**Part no.**

| Single phase – 110V power | M52.1056*US |

---

**MINIDRILL P – Standard boring machine**

- Front adjustable boring distance
- Ruler stops (qty 4)
- Tool kit included
- Dust collection attachment
- Optional laser center line, digital counter and hold down clamps sets
- Accepts 8 or 9 spindle heads

**Part no.**

| Single phase – 220V power | M53.1053*50 |
8 spindle head

- 8 spindle head for use with MINIPRESS/MINIDRILL
- Bores eight holes spaced 32 apart, perpendicular to the fence
- Quick-disconnect chucks
- Once aligned, does not require additional adjustment
- Bores all METABOX/TANDEMBOX/LEGRABOX front fixing brackets and galleries
- Bores cabinet side panels for all Blum runner systems
- Requires retrofit set for use with machines produced in 2009 or prior

Includes:
- Ø3 allen wrench
- Distance spacer
- Drive pin
- Air hose

Part no.
8 spindle head MZK.880S
Chuck cover cap M30.1329

9 spindle head

- 9 spindle head for use with MINIPRESS/MINIDRILL
- Bores nine holes spaced 32 apart, parallel to the fence
- Quick-disconnect chucks
- Once aligned, does not require additional adjustment
- Bores cabinet side panel for 32 system boring for Blum mounting plates and runners
- Requires retrofit set for use with machines produced in 2009 or prior

Includes:
- Ø3 allen wrench
- Distance spacer
- Drive pin
- Air hose

Part no.
9 spindle head MZK.190S
Chuck cover cap M30.1329

MINISTICK

- Enables fast setup for drawer front boring and front fixing bracket insertion with the MINIPRESS
- Eliminates the need for multiple fence stops

Includes:
- 1 Left hand and right hand adjustment stick mechanism
- 2 Upper drawer stops (qty 2)
- 3 Bottom drawer stops (qty 2)

Part no.
MINISTICK MZS.0040
## TANDEMBOX cover caps

- For use with TANDEMBOX drawers
- Non-handed, symmetrical design
- Gray
- Custom logo printing available

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZAA.532C</td>
<td>Gray cover cap</td>
</tr>
</tbody>
</table>

## Front stabilization bracket

- Used for stabilizing wide drawers and/or tall drawer fronts
- Reinforces the connection between the drawer bottom and the front
- One required per drawer, center on drawer bottom

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z96.10E1</td>
<td>Front stabilizer bracket</td>
</tr>
</tbody>
</table>

## Front stabilization bracket application

### Space requirements

![Diagram of space requirements]

### Front boring dimensions

- 47.5 min. + overlay
- 39.5
- Ø10 x 10
- 32 min.
- 55 min.
- 15.5 + overlay

## Side spacer

For spacing out cabinet profiles for clearance on interior roll-out trays.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T59.3570</td>
<td>Spacer</td>
</tr>
<tr>
<td>661.1300.HG</td>
<td>POZI installation screw</td>
</tr>
</tbody>
</table>

## Side spacer application

![Diagram of side spacer application]

### NOTE: Use two on 578 series and three on 576 series

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### Lateral stabilizer set

**Set Includes:**
1. Linkage rod, **1076** (42-3/8") cut to size
2. Pinion gears (qty 2)
3. Rear brackets, left and right
4. Gear racks, left and right

- Recommended for cabinets **900** to **1200** (35" to 47") wide

**Drawer length**

<table>
<thead>
<tr>
<th>Drawer length</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>500</strong> (20&quot;)</td>
<td>ZST.500BA</td>
</tr>
<tr>
<td><strong>550</strong> (22&quot;)</td>
<td>ZST.550BA</td>
</tr>
</tbody>
</table>

### Linkage rod specifications

- Length = Inside cabinet width minus **86** (3-3/8")
- Maximum inside cabinet width **1162** (45-3/4")

### Installation

**Dimensions in millimeters** (inch equivalents as noted) © 2018 Blum, Inc.

**500 (20")**
- 64
- 128
- 128
- 96
- 19

**550 (22")**
- 64
- 128
- 128
- 96
- 19

### Assembly

### Space requirements

#### M Height rear view drawer

- 4 min.
- 92 min.
- 106 min.
- 33 min.

#### B Height rear view drawer

- 4 min.
- 124 min.
- 138 min.
- 33 min.

#### D Height rear view drawer

- 4 min.
- 207 min.
- 221 min.
- 33 min.
METAFILE set

Set makes one standard hanging file. Recommended use in combination with B height drawer.

Set includes:
1. Steel hanging rails (qty 4) – 3 x 13 x 550 (1/8” x 1/2” x 21-5/8”)
2. Rail support brackets (qty 4)
3. Rail support covers (qty 4)
4. Glide profiles (qty 4) – length 550 (21-5/8”)
5. Lateral brackets (qty 4)
6. Flathead wood screws (qty 8) – #6 x 19 (3/4”)

Part no.
METAFILE set ZRM.5500
Replacement parts
Rail support covers ZRM.0003
Glide profiles ZRM.550G
Installation wood screw 6064N

Cutting dimensions for wood parts

Drawer bottom
A Width = Inside cabinet width minus 75 (2-15/16”) Length = Actual runner length minus 24 (15/16”)

Drawer back
B Width = Inside cabinet width minus 87 (3-7/16”) Height = 271 (10-11/16”) minimum

Minimum opening dimensions:
- Letter = 413 (16-1/4”)
- Legal = 489 (19-1/4”)

Installation

*INSERTA only
### POZI DRIVER and bits

A POZI screwdriver (different from Phillips) is the most crucial tool you can use to assure that full torque is applied to all Blum mounting screws. POZI screws can be identified by the distinctive “tick” marks located in the center of the screw head recess.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2 POZI DRIVER</td>
<td>POZI DRIVER</td>
</tr>
<tr>
<td>Ø7 (1/4&quot;) x 2 (1/16&quot;)</td>
<td>FX4041</td>
</tr>
<tr>
<td>Ø10 (3/8&quot;) x 3 (1/8&quot;)</td>
<td>SJ5312</td>
</tr>
</tbody>
</table>

### Deep thread system screw

- Pilot bore Ø5 (3/16") hole

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#7 x 13 mm, #2 POZI</td>
<td>661.1300.HG</td>
</tr>
<tr>
<td>#7 x 14.5 mm, #2 POZI</td>
<td>661.1450.HG</td>
</tr>
</tbody>
</table>

### Ø10 Drill bit

- 10 drill bit for the MINIPRESS/MINIDRILL and boring heads

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill bit (right hand)</td>
<td>M01.ZB10.02</td>
</tr>
<tr>
<td>Drill bit (left hand)</td>
<td>M01.ZB10.03</td>
</tr>
</tbody>
</table>

### Ø5 Drill bit

- Ø5 drill bit for the MINIPRESS/MINIDRILL and boring heads

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill bit (right hand)</td>
<td>M01.ZB05.D2</td>
</tr>
<tr>
<td>Drill bit (left hand)</td>
<td>M01.ZB05.D3</td>
</tr>
</tbody>
</table>

### Deep thread wood screw

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6 x 5/8&quot;, #2 Phillips</td>
<td>606N</td>
</tr>
<tr>
<td>#6 x 5/8&quot;, #2 POZI</td>
<td>606P</td>
</tr>
<tr>
<td>#7 x 5/8&quot;, #2 Phillips</td>
<td>707N</td>
</tr>
<tr>
<td>#7 x 3/4&quot;, #2 Phillips</td>
<td>7074N</td>
</tr>
</tbody>
</table>

### Truss head wood screw

- Pilot bore Ø2 (3/32") hole

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6 x 1/2&quot;, #2 Phillips</td>
<td>612TH</td>
</tr>
</tbody>
</table>

### VPB-5 VIX bit

- For pre-drilling a 3 pilot hole

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIX bit</td>
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### Flatware
- Width 280 (11")
- Height 64 (2-1/2")

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<td>550 (22&quot;) drawer length</td>
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### Odds and ends
- Width 103 (4-1/16")
- Height 64 (2-1/2")

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### Utensils
- Width 105 (4-1/8")
- Height 64 (2-1/2")

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### Blum’s Ideas for Functional Kitchens
Design doesn’t have to stop with the kitchen layout. This adjustable organization solution for TANDEMBOX can be customized to fit individual needs. Whether in the kitchen, office or bathroom, for top drawers and deep drawers alike, there’s a place for everything. The removable trays are made of high-quality nylon and stainless steel, and are dishwasher safe up to 170°F. You can be sure they will last the lifetime of your kitchen.

To calculate inside drawer width available: ICW - 84 (3-5/16")

blum.com/ideas
B or D Height TANDEMBOX with Gallery Rails

Accessories

**ORGA-LINE Knife holder**
- Length 280 (11”)
- Width 180 (7-1/8”)
- Holds up to nine knives of different sizes
- High quality nylon and stainless steel
- Dishwasher safe up to 170°F
- Handle supports (qty 4)

**ORGA-LINE Spice tray**
- Width 282 (11-1/8”)
- Inside storage width 260 (10-1/4”)
- Height 121 (4-3/4”)
- Easy removal from drawer
- High quality nylon and stainless steel
- Set includes two trays and four feet

**Plate holder**
- Adjustable width 186 to 322 (7-5/16” to 12-11/16”)
- Overall height 170 (6-11/16”)
- Holds up to 12 plates
- Non-slip bottom
- High quality nylon and stainless steel

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**Part no.**

Knife holder ZSZ.02M0
Spice tray ZFZ.38G01
Plate holder ZC7T0350
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Why Choose Blum

Blum, Inc. is a leading manufacturer of functional hardware for the kitchen cabinet and commercial casework industries specializing in lift systems, concealed hinges and drawer runner systems. Virtually all of the hardware needed to assemble and make cabinets functional is available within the wide range of quality Blum products. Blum supports the U.S. market with a network of more than 150 dependable distributors, 40+ knowledgeable Blum sales representatives and an experienced customer service department.

Commitment to Manufacturing in the U.S.
Blum manufactures many of its products in our 450,000 sq ft manufacturing, logistics and warehouse facility located in Stanley, North Carolina. Manufacturing closer to the customer allows Blum to react quickly to changing customer needs including unexpected surges in demand. Customer pickups and deliveries can be timed to better match their production schedules. Blum is committed to manufacturing in the U.S. for the U.S. market.

Product development at Blum considers all of the various customers who will come in contact with our products. With this “Global Customer Benefits” philosophy we strive to create advantages for all users.

Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product. They exceed the requirements of ANSI/BHMA standards for cycle life, static load and self-closing performance.