METABOX
A drawer system with endless possibilities
Blum, Inc. is a leading manufacturer of functional hardware for the kitchen cabinet and commercial casegoods industries specializing in concealed hinges and drawer runner systems. Virtually all of the hardware needed to assemble and make casegoods functional are available within the wide range of quality Blum products.

Blum’s manufacturing and distribution complex in Stanley, North Carolina supplies the North American markets through a network of more than 150 dependable distributors. Wholly owned by the Blum family, the company was formed in 1952 by Julius Blum and is headquartered in Hoechst, Austria.

Global customer benefits

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 from the cabinetmaker to the end consumer.

Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product. What’s more they exceed the requirements of ANSI-BHMA standards for cycle life, static load and self-closing performance. Contact your local Blum representative for more details.

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Blum testing criteria

**Cycle life / Dynamic load capacity test**

100,000 open/close cycles with a total weight of 34kg (75 lb.) on a 550mm (22”) drawer.

**Static load capacity test**

45.3kg (100 lb.) applied to a half extended 550mm (22”) drawer for 1 minute.

**Side pressure test**

A force of 15kg (33 lb.) is applied ten times to a fully extended 550mm (22”) drawer.

METABOX drawer systems exceed ANSI/BHMA requirements for a Grade 1 rating.
METABOX: The versatile drawer system

Efficient storage in contemporary styling

The spacious layout of this kitchen permits a variety of customized storage solutions. From the largest pot to the smallest bottle, everything has a place in the METABOX program. And with the durable epoxy-coated drawer sides, this kitchen will keep its good looks for years to come.

Virtually unlimited storage solutions are possible with the range of heights, lengths and optional accessories in the METABOX program. Within this comprehensive system, everything stored is easy to access and even small or bulky items are handled with ease.

METABOX’s design complements the style of frameless cabinetry that has gained popularity because of its effective use of cabinetry interior room. Since it is fully compatible with the 32mm cabinet construction system, the METABOX program makes installation quick and precise.

Drawer fronts are quickly and easily mounted.

Adjustments are fast, precise and simple.

Tilt adjustment by turning the gallery rails.

Gallery cross rails are easily secured into position.

www.cabinetparts.com
### Cabinet types and capacity

The METABOX drawer system can be installed in either panel or face-frame constructed cabinets with optional rear mounting sockets.

METABOX drawers have a static load capacity of 100 pounds and a dynamic capacity of 75 pounds and are tested to perform 100,000 open/close cycles without failure.

### Available heights and colors

METABOX is available in four drawer heights, offering a multitude of design options. "C" drawers are available in cream or white, while "C15" drawers are available in white only.

### Opening and closing information

**BLUMATIC** self-closing action results from the angled drawer and cabinet profiles.

**320 series** 3/4 extension drawers have an extension loss when fully opened.

**330 series** full extension drawers have an over extension of 18 (3/4") when fully opened.

### “C” version and the “C15” version

Assembling METABOX “C” drawers is quick and easy.

METABOX “C15” drawers can be manually assembled (page 30), or with the METABOX drilling guide (page 28).

Boring for C15 drawer back and bottom (for 13 (1/2") material, holes are 10 (3/8") deep)

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Dimensions in millimeters (inch equivalents as noted)  
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**Drawer Configurations**

1. **Standard drawer**
2. **Standard drawer with gallery organization**
3. **Pull-out surround shelf (top)**
4. **Interior roll-out trays (bottom)**

**Components and accessories**

- Adjustable gallery rails
- Rear gallery bracket
- Gallery cross rail
- Single gallery connector
- Double gallery divider
- Double gallery connector

**Interior drawer front assembly**

**Drawer front assembly**

1. Insert front bracket
2. Snap closed
3. Insert gallery
4. Snap gallery back

**Drawer front adjustment**

- **Side adjustment**
  1. Loosen fixing screws
  2. Adjust front
  3. Tighten screws

- **Height and Tilt adjustment**
  1. Adjust height cam
  2. Turn rail to adjust tilt

**Dimensions in millimeters** (inch equivalents as noted)
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## METABOX 320N drawer series

### Drawer components

<table>
<thead>
<tr>
<th>C series</th>
<th>C15 series white</th>
<th>Nominal Length</th>
<th>Min. cabinet inside depth</th>
<th>Cabinet &amp; drawer profile length</th>
<th>System screw mounting hole positions</th>
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<tbody>
<tr>
<td>cream or white</td>
<td>C15 series</td>
<td>(22&quot;)</td>
<td>(21-7/8&quot;)</td>
<td>(21-5/8&quot;)</td>
<td>A (6-1/2&quot;)</td>
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<tr>
<td>320N5000C</td>
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<td>(9&quot;)</td>
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### Runner sets

**Standard front fixing bracket**

- Screw-on: ZSF.1510.04 (Right), ZSF.1510.05 (Left)
- Press-in: ZSF.1610.04 (Right), ZSF.1610.05 (Left)

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Component specifications

Pre-bore holes for use with METABOX C15. Ø5 x 10 (3/16" x 3/8") holes for 13 (1/2") material

Profile length | Bottom length
---|---
550 (21-5/8") | 548 (21-9/16")
500 (19-11/16") | 498 (19-5/8")
450 (17-11/16") | 448 (17-5/8")
400 (15-3/4") | 398 (15-11/16")
350 (13-3/4") | 348 (13-11/16")
270 (10-5/8") | 268 (10-9/16")

Bore Ø10 x 12 (Ø3/8" x 1/2") hole for front fixing brackets with dowels (Determine locations from specifications below, or see page 38 for pre-determined overlays)

Installation specifications

For frame cabinet specifications please see page 32
For gallery rail and BOXSIDE specifications see page 19
For interior drawer specifications see page 22
### METABOX 320M drawer series

#### Drawer components

<table>
<thead>
<tr>
<th>C15 series</th>
<th>Cabinet profile</th>
</tr>
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<tbody>
<tr>
<td>Nickel-plated steel</td>
<td>Screw-on</td>
</tr>
<tr>
<td>Nylon in white*</td>
<td>Press-in</td>
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#### Runner sets (includes cabinet and drawer profiles)

<table>
<thead>
<tr>
<th>C series</th>
<th>C15 series</th>
<th>Nominal Length</th>
<th>Min. cabinet inside depth</th>
<th>Cabinet &amp; drawer Profile length</th>
<th>System screw mounting hole positions</th>
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<tbody>
<tr>
<td>320M5500C</td>
<td>320M5500C15</td>
<td>(22&quot;)</td>
<td>557 (21-7/8&quot;)</td>
<td>550 (21-5/8&quot;)</td>
<td>A: 165 (6-1/2&quot;) B: 261 (10-1/4&quot;) C: 398 (15-5/16&quot;) D: 517 (20-3/8&quot;)</td>
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<tr>
<td>320M5000C</td>
<td>320M5000C15</td>
<td>(20&quot;)</td>
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<td>500 (19-11/16&quot;)</td>
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<td>A: 229 (9&quot;) B: - C: - D: -</td>
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</table>

#### Standard front fixing bracket

- Nickel-plated steel
- Nylon in white*

- **Screw-on** ZSF.1700 Right
- **Press-in** ZSF.1800 Right

#### Clip-on front fixing bracket

- Nickel-plated steel
- Nylon in white*

- **Screw-on** ZSF.1200 Right
- **Press-in** ZSF.1300 Right
- **Expando** ZSF.130E Right

*Blum logo cover caps available

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Component specifications

Pre-bore holes for use with METABOX C15. Ø5 x 10 (3/16" x 3/8") holes for 13 (1/2") material

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<th>Profile length</th>
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Bore Ø10 x 12 (3/8" x 1/2") hole for front fixing brackets with dowels (Determine locations from specifications below, or see page 38 for pre-determined overlays)

Installation specifications

For frame cabinet specifications please see page 32
For gallery rail and BOXSIDE specifications see page 19
For interior drawer specifications see page 23
## Runner sets (includes cabinet and drawer profiles)

<table>
<thead>
<tr>
<th>C series cream or white</th>
<th>C15 series white</th>
<th>Nominal Length</th>
<th>Min. cabinet inside depth</th>
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<th>System screw mounting hole positions</th>
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<td>500 (19-11/16&quot;)</td>
<td>A: 165 (6-1/2&quot;) B: 261 (10-1/4&quot;) C: 389 (15-5/16&quot;) D: 453 (17-13/16&quot;)</td>
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<td>320K4500C15</td>
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<td>A: 165 (6-1/2&quot;) B: 261 (10-1/4&quot;) D: -</td>
</tr>
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</table>

## Standard front fixing bracket

- **Nylon in white**
  - ZSF.1700
  - ZSF.1700
  - ZSF.1800
  - ZSF.1800

## Clip-on front fixing bracket

- **Nylon in white**
  - ZSF.1200
  - ZSF.1200
  - ZSF.1300
  - ZSF.1300
  - ZSF.1300E
  - ZSF.1300E

## Cover caps

- **ZAA.3500**
- **ZAA.3700**

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*Blum logo cover caps available

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Component specifications

Pre-bore holes for use with METABOX C15. Ø5 x 10 (3/16" x 3/8") holes for 13 (1/2") material

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Bore Ø10 x 12 (3/8" x 1/2") hole for front fixing brackets with dowels
(Determine locations from specifications below, or see page 38 for pre-determined overlays)

Installation specifications

For frame cabinet specifications please see page 32
For gallery rail and BOXSIDE specifications see page 20
For interior drawer specifications see page 24

Dimensions in millimeters (inch equivalents as noted)
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METABOX 320H drawer series

Drawer components

Runner sets (includes cabinet and drawer profiles)

<table>
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<tr>
<th>C series cream or white</th>
<th>C15 series white</th>
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<th>Min. cabinet inside depth</th>
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Standard front fixing bracket

Clip-on front fixing bracket

- Blum logo cover caps available

Dimensions in millimeters (inch equivalents as noted)
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### Component specifications

Pre-bore holes for use with METABOX C15. Ø5 x 10 (3/16" x 3/8") holes for 13 (1/2") material

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Bore Ø10 x 12 (Ø3/8" x 1/2") hole for front fixing brackets with dowels. (Determine locations from specifications below, or see page 38 for pre-determined overlays)

### Installation specifications

**Drawer**

**Front**

**Back**

<table>
<thead>
<tr>
<th>Material thickness</th>
<th>Back height</th>
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<td>19 (3/4&quot;)</td>
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Dimensions in millimeters (inch equivalents as noted)

For frame cabinet specifications please see page 32
For gallery rail and BOXSIDE specifications see page 20
For interior drawer specifications see page 25

www.cabinetparts.com
METABOX 330M drawer series

Drawer components

C15 series

Cabinet profile

Center profile

Assembly prongs

Front fixing brackets

Runner sets (includes cabinet and drawer profiles)

<table>
<thead>
<tr>
<th>C series</th>
<th>C15 series</th>
<th>Nominal Length</th>
<th>Min. cabinet Inside depth</th>
<th>Cabinet &amp; drawer Profile length</th>
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<td>cream or white</td>
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<td>400 (15-3/4&quot;)</td>
<td>165 (6-1/2&quot;)</td>
</tr>
</tbody>
</table>

Standard front fixing bracket

Nickel-plated steel

Screw-on ZSF.1700 Right Left

Press-in ZSF.1800 Right Left

Nylon in white

ZAA.3500 Cover cap

Clip-on front fixing bracket

Nickel-plated steel

Screw-on ZSF.1200 Right Left

Press-in ZSF.1300 Right Left

Expando ZSF.130E Right Left

Nylon in white

ZAA.3700 Cover cap

*Blum logo cover caps available

Dimensions in millimeters (inch equivalents as noted)

Subject to technical modifications without notice. © 2007
Component specifications

Pre-bore holes for use with METABOX C15. Ø5 x 10 (3/16" x 3/8") holes for 13 (1/2") material

Inside opening width minus 31 (1-1/4")
Profile length | Bottom length
--- | ---
550 (21-5/8") | 548 (21-9/16")
500 (19-11/16") | 498 (19-5/8")
450 (17-11/16") | 448 (17-5/8")
400 (15-3/4") | 398 (15-11/16")

Bore Ø10 x 12 (3/8" x 1/2") hole for front fixing brackets with dowels
(Determine locations from specifications below, or see page 38 for pre-determined overlays)

Material thickness | Back height
--- | ---
13 (1/2") | 74 (2-15/16")
16 (5/8") | 71 (2-13/16")
19 (3/4") | 68 (2-11/16")

Installation specifications

For gallery rail and BOXSIDE specifications see page 21
For interior drawer specifications see page 26
METABOX 330H drawer series

**Drawer components**

**Runner sets** (includes cabinet and drawer profiles)

<table>
<thead>
<tr>
<th>C series cream or white</th>
<th>C15 series white</th>
<th>Nominal Length</th>
<th>Min. cabinet inside depth</th>
<th>Cabinet &amp; drawer Profile length</th>
<th>System screw mounting hole positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>330H550PC 330H550PC15</td>
<td>(22&quot;)</td>
<td>565 (22-1/4&quot;)</td>
<td>550 (21-5/8&quot;)</td>
<td>165 (6-1/2&quot;)</td>
<td>A: 261 (10-1/4&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>B: 389 (15-5/16&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C: 517 (20-3/8&quot;)</td>
</tr>
</tbody>
</table>

| 330H500PC 330H500PC15  | (20")            | 515 (20-1/4") | 500 (19-11/16")          | 165 (6-1/2")                 | A: 261 (10-1/4")                |
|                         |                  |                |                           |                               | B: 389 (15-5/16")              |
|                         |                  |                |                           |                               | C: 453 (17-13/16")             |

| 330H450PC 330H450PC15  | (18")            | 465 (18-5/16") | 450 (17-11/16")          | 165 (6-1/2")                 | A: 261 (10-1/4")                |
|                         |                  |                |                           |                               | B: 389 (15-5/16")              |
|                         |                  |                |                           |                               | C: -                         |

| 330H400PC 330H400PC15  | (16")            | 415 (16-5/16") | 400 (15-3/4")            | 165 (6-1/2")                 | A: 261 (10-1/4")                |
|                         |                  |                |                           |                               | B: 357 (14-1/16")              |
|                         |                  |                |                           |                               | C: -                         |

**Standard front fixing bracket**

- Screw-on: ZSF.1700 (Right), ZSF.1700 (Left)
- Press-in: ZSF.1800 (Right), ZSF.1800 (Left)

**Clip-on front fixing bracket**

- Screw-on: ZSF.1200 (Right), ZSF.1200 (Left)
- Press-in: ZSF.1300 (Right), ZSF.1300 (Left)
- Expando: ZSF.1300E (Right), ZSF.1300E (Left)

**Cover caps**

- Nylon in white*: ZAA.3500 (Cover cap)
- Nickel-plated steel: ZSF.3700 (Cover cap)

*Blum logo cover caps available

Dimensions in millimeters (inch equivalents as noted)
Subject to technical modifications without notice. © 2007
Component specifications

Pre-bore holes for use with METABOX C15, Ø5 x 10 (3/16” x 3/8”) holes for 13 (1/2”) material

<table>
<thead>
<tr>
<th>Profile length</th>
<th>Bottom length</th>
</tr>
</thead>
<tbody>
<tr>
<td>550 (21-5/8”)</td>
<td>548 (21-9/16”)</td>
</tr>
<tr>
<td>500 (19-11/16”)</td>
<td>498 (19-5/8”)</td>
</tr>
<tr>
<td>450 (17-11/16”)</td>
<td>448 (17-5/8”)</td>
</tr>
<tr>
<td>400 (15-3/4”)</td>
<td>398 (15-11/16”)</td>
</tr>
</tbody>
</table>

Bore Ø10 x 12 (3/8” x 1/2”) hole for front fixing brackets with dowels

(Determine locations from specifications below, or see page 38 for pre-determined overlays)

Installation specifications

For gallery rail and BOXSIDE specifications see page 21

For interior drawer specifications see page 27

Dimensions in millimeters (inch equivalents as noted)

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www.cabinetparts.com
METABOX gallery rail and BOXSIDE systems

**Gallery components**

**INSERTA gallery set**
- Includes 2 adjustable rails
- 2 rear fixing brackets
- Colors: cream or white

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZRE.321S.ID</td>
<td>350 (14”) drawer length</td>
<td></td>
</tr>
<tr>
<td>ZRE.371S.ID</td>
<td>400 (16”) drawer length</td>
<td></td>
</tr>
<tr>
<td>ZRE.421S.ID</td>
<td>450 (18”) drawer length</td>
<td></td>
</tr>
<tr>
<td>ZRE.471S.ID</td>
<td>500 (20”) drawer length</td>
<td></td>
</tr>
<tr>
<td>ZRE.521S.ID</td>
<td>550 (22”) drawer length</td>
<td></td>
</tr>
</tbody>
</table>

**Gallery cross rail**
- 1104 (44”) long, cut to length
- Colors: cream or white

- **ZRG.1104U** gallery cross rail

**Gallery connectors**
- **ZRU.00E0.01** Single gallery connector
  - Colors: cream or white
- **ZRU.00Z0.01** Double gallery connector
  - Colors: cream or white
- **ZRU.10B1E** Spring connector
  - Colors: dust gray

**BOXSIDE**
- **M** (64mm high)
  - Color: white
  - 400 (16”) drawer length
  - 450 (18”) drawer length
  - 500 (20”) drawer length
  - 550 (22”) drawer length

- **H** (128mm high)
  - Color: white
  - 400 (16”) drawer length
  - 450 (18”) drawer length
  - 500 (20”) drawer length
  - 550 (22”) drawer length

Dimensions in millimeters (inch equivalents as noted)
320N installation specifications

For double gallery rail application add 64
(2-1/2”) to opening and back height

320M installation specifications

For double gallery rail application add 64
(2-1/2”) to opening and back height
320K installation specifications

For double gallery rail application add 64 (2-1/2") to opening and back height

320H installation specifications

For double gallery rail application add 64 (2-1/2") to opening and back height
330M installation specifications

For double gallery rail application add 64 (2-1/2") to opening and back height

330H installation specifications

For double gallery rail application add 64 (2-1/2") to opening and back height
META BOX 320N interior drawer application

**Drawer components**

- **Interior front fixing brackets**
- **Pre-bore holes for use with META BOX C15 prongs**

**Interior front fixing bracket**

<table>
<thead>
<tr>
<th>Bottom material thickness</th>
<th>Back height</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>42 (1-5/8&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>39 (1-9/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>36 (1-7/16&quot;)</td>
</tr>
</tbody>
</table>

**Installation specifications**

- **Pre-bore holes if using system screws**
- **Dimensions in millimeters (inch equivalents as noted)**
**Drawer components**

Interior front fixing brackets

Pre-bore holes for use with METABOX C15 prongs

**Interior front fixing bracket**

Nylon, Colors: cream or white

**Installation specifications**

**Dimensions in millimeters (inch equivalents as noted)**

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**METABOX 320K interior drawer application**

**Drawer components**

- Interior front fixing brackets
- Pre-bore holes for use with METABOX C15 prongs

**Interior front fixing bracket**

- Nylon, Colors: cream or white

**Installation specifications**

**Drawer**

- Inside Opening
  - 145 (5-11/16") min.
  - 121 (4-3/4") min.
- Bottom
  - 32 (1-1/4")

**Front**

- 9 (3/8")
- 32 (1-1/4")

**Back**

- 9 (3/8")
- 32 (1-1/4")

**Profile length | Bottom length**

<table>
<thead>
<tr>
<th>Profile length</th>
<th>Bottom length</th>
</tr>
</thead>
<tbody>
<tr>
<td>650 (21-5/8&quot;)</td>
<td>532 (20-15/16&quot;)</td>
</tr>
<tr>
<td>500 (19-11/16&quot;)</td>
<td>482 (19&quot;)</td>
</tr>
<tr>
<td>450 (17-11/16&quot;)</td>
<td>432 (17&quot;)</td>
</tr>
<tr>
<td>400 (15-3/4&quot;)</td>
<td>382 (15-1/16&quot;)</td>
</tr>
<tr>
<td>350 (13-3/4&quot;)</td>
<td>332 (13-1/16&quot;)</td>
</tr>
</tbody>
</table>

**Bottom material thickness | Back height**

<table>
<thead>
<tr>
<th>Bottom material thickness</th>
<th>Back height</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>106 (4-3/16&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>103 (4-1/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>100 (3-15/16&quot;)</td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch equivalents as noted)
**METABOX 320H interior drawer application**

### Drawer components

- **Interior front fixing brackets**
- **Pre-bore holes for use with METABOX C15 prongs**

### Interior front fixing bracket

- Nylon, Colors: cream or white
- ZIF.3050

### Installation specifications

- **Dimensions in millimeters** (inch equivalents as noted)
- **Pre-bore holes if using system screws**
- **Bottom material thickness**
- **Back height**
- **Profile length**
- **Bottom length**

<table>
<thead>
<tr>
<th>Profile length</th>
<th>Bottom length</th>
</tr>
</thead>
<tbody>
<tr>
<td>550 (21-5/8&quot;)</td>
<td>532 (20-15/16&quot;)</td>
</tr>
<tr>
<td>500 (19-11/16&quot;)</td>
<td>482 (19&quot;)</td>
</tr>
<tr>
<td>450 (17-11/16&quot;)</td>
<td>432 (17&quot;)</td>
</tr>
<tr>
<td>400 (15-3/4&quot;)</td>
<td>382 (15-1/16&quot;)</td>
</tr>
<tr>
<td>350 (13-3/4&quot;)</td>
<td>332 (13-1/16&quot;)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bottom material thickness</th>
<th>Back height</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>138 (5-7/16&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>135 (5-5/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>132 (5-3/16&quot;)</td>
</tr>
</tbody>
</table>

**V = Variable bottom thickness**
METABOX 330M interior drawer application

Drawer components

Interior front fixing brackets

Pre-bore holes for use with METABOX C15 prongs

Profile length | Bottom length
---|---
550 (21-5/8") | 532 (20-15/16")
500 (19-11/16") | 482 (19")
450 (17-11/16") | 432 (17")
400 (15-3/4") | 382 (15-1/16")

Pre-bore holes if using system screws

Pre-bore holes for use with METABOX C15 prongs

Interior front fixing bracket

ZIF.3000.02 Right
ZIF.3000.03 Left

Nylon. Colors: cream or white

Installation specifications

Drawer

Front

Back

Dimensions in millimeters (inch equivalents as noted)

V = Variable bottom thickness

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METABOX 330H interior drawer application

Drawer components

Pre-bore holes for use with METABOX C15 prongs

Interior front fixing bracket

Nylon, Colors: cream or white

Installation specifications

Pre-bore holes if using system screws

Profile length | Bottom length
---|---
550 (21-5/8") | 532 (20-15/16")
500 (19-11/16") | 462 (19")
450 (17-11/16") | 432 (17")
400 (15-3/4") | 382 (15-1/16")

Bottom material thickness | Back height
---|---
13 (1/2") | 138 (5-7/16")
16 (5/8") | 135 (5-5/16")
19 (3/4") | 132 (5-3/16")

Dimensions in millimeters (inch equivalents as noted)
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METAFILE for METABOX

Hanging rail accessories

METAFILE set
Includes components to make one standard hanging file system

Includes:
1. (2) steel hanging rails (ZRM.550S)
   zinc coated, 3 x 13 x 550
2. (4) rail support brackets (ZRM.0005.10)
   synthetic, natural color
3. (4) rail support covers (ZRM.0003.10)
   synthetic, cream or white
4. (2) glide profiles (ZRM.550G)
   synthetic, cream or white, 550 length
5. (8) flathead wood screws (6064N)
   nickel, #6 x 3/4"

METAFILE set

Lateral file accessories

6. ZRM.0004.10 Lateral bracket
   synthetic, cream or white, 4 required per drawer

7. ZRM.1100S Steel hanging rail
   zinc coated, 3 x 13 x 1100
cut to length

8. ZRM.1100G Glide profile
   synthetic, cream or white,
   1100mm long, cut to length

Centers:
Letter = 310 (12-3/16")
Legal = 386 (15-3/16")

Assembly and installation specifications

Minimum
Letter = 370 (14-9/16")
Legal = 446 (17-9/16")

V = Variable bottom thickness
METABOX lateral stabilizer

Additional stabilization for wide drawers

For use with METABOX 330M and H series full extension drawers only.
Available for drawer lengths 550mm (22")
Linkage rod can be cut according to cabinet width.
Suitable for cabinet widths up to 1200mm (47"). Simple assembly of all components.
Does not increase load capacity.

Includes:
- Gear racks, R & L
- (2) pinion gears
- Brackets, R & L
- Linkage (1076mm)

Minimum inside cabinet depth:
- 572 (22-1/2") for standard drawer
- 575 (22-5/8") for interior roll-out tray

Assembly and installation specifications

L = Inside opening width minus 86 (3-3/8")

330M specifications

330H specifications

Dimensions in millimeters (inch equivalents as noted)
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www.cabinetparts.com
### For interior pull-out tray organization

**Standard runner set:**
L&R cabinet and drawer profiles  
Colors: cream or white

<table>
<thead>
<tr>
<th>Runner Set</th>
<th>Length</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>230M3500</td>
<td>350 (13-3/4&quot;)</td>
<td></td>
</tr>
<tr>
<td>230M4000</td>
<td>400 (15-3/4&quot;)</td>
<td></td>
</tr>
<tr>
<td>230M4500</td>
<td>450 (17-11/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>230M5000</td>
<td>500 (19-11/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>230M5500</td>
<td>550 (21-5/8&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**Double corner support**
synthetic, cream or white

**Gallery rails**, 1104 (44") long  
cream or white, cut to length

**Single gallery connector**
synthetic, cream or white

**Double gallery connector**
synthetic, cream or white

### Assembly and installation specifications

**For pull-out surround assembly**
The pull-out surround drilling gauge enables pre-boring of the fixing positions for the corner supports.

Includes:
- (3) special Ø2.5 drill bits
- (1) #2 Phillips, long screwdriver blade

**ZML.0010** Drilling gauge

**Installation specifications**

Side gallery rail length = runner length minus 60 (2-3/8")  
Front and back gallery rail lengths = interior cabinet width minus 69 (2-11/16")

Attach with 606N or 606P screws

**Double corner support specifications**

Pull-out bottom dimensions

- **W** = inside opening width minus 25 (1")
- Deduct side spacer width if used
- **L** = drawer profile length
**METABOX accessories**

**POSI-STOP**

Add-on device to keep drawer front from contacting the cabinet face.

Available in thicknesses of 1.5 (1/16") or 3 (1/8")

Synthetic, natural finish.

Non-handed, use two per drawer, snap in place and secure with wood screw

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>298.3210.01</td>
<td>1.5 (1/16&quot;) gap</td>
</tr>
<tr>
<td>298.3230.01</td>
<td>3 (1/8&quot;) gap</td>
</tr>
</tbody>
</table>

**Drawer front support brackets**

Add-on brackets for wide drawers to keep the front tight to the drawer bottom.

Stainless steel

Attach with 612TH screws

#6 x 1/2" trusshead

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZSB.0090.01</td>
<td>For standard drawers</td>
</tr>
<tr>
<td>ZSB.0045.01</td>
<td>For interior roll-out trays</td>
</tr>
</tbody>
</table>

**Cabinet profile spacers**

To space runners away from the cabinet side to clear door protrusion for interior roll-out trays.

Two thicknesses available that can be stacked up to 24 (15/16")

Synthetic, cream color

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>320M0188</td>
<td>8 (5/16&quot;) with Ø5 (3/16&quot;) x 11 dowel for linebore mounting</td>
</tr>
<tr>
<td>320M0048</td>
<td>4 (5/32&quot;) stackable</td>
</tr>
<tr>
<td>320M0088</td>
<td>8 (5/16&quot;) stackable</td>
</tr>
<tr>
<td>602750</td>
<td>32 (1-1/4&quot;) x 19 (3/4&quot;) Heavy duty synthetic, white color</td>
</tr>
</tbody>
</table>

Important: Use spacers on front, middle and rear of each cabinet profile for adequate support.
**Universal drawer bracket**

For mounting Blum runners to the underside of a counter surface (pencil drawer) or to the floor of a cabinet (roll-out tray).

Attach to cabinet with Blum 612TH screws, #6 x 1/2” truss head
Zinc coated steel
Includes (8) M4 x 6 flathead machine screws to attach runners to brackets

295.4000 Universal bracket kit (set of 4)

**Rear mount sockets**

For use with METABOX 320N, M, K, H and all 230M runners in frame cabinets.

Synthetic, cream color
Attach with Blum 612TH screws, #6 x 1/2” trusshead

602320 Left & right socket set

Cannot be used with METABOX 330 series or in conjunction with POSI-STOP’s.

**Door protectors**

For pull-out surrounds to prevent damage to doors.
Attaches to the underside of the drawer.
For use with 230M runners only.
Epoxy coated steel with synthetic rollers, cream color.

298.2200 Door protector

Dimensions in millimeters (inch equivalents as noted)
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**METABOX layout templates**

METATEMP layout templates provide a simple means for locating the cabinet profile and front fixing bracket positions.

Included in each kit are five templates for 320N, 320/330M, 320K, 320/330H, and a gallery locator for all series.

Each template's height is the minimum cabinet opening size required. To use, place on a side panel and mark the cabinet profile location. Transfer the front fixing bracket location to the drawer front. For linebored cabinets, insert a shelf pin through the template into the system hole.

**Drawer front marking gauges**

1. Position gauges onto closed 3-sided drawer.
2. Line up the drawer front and mark fixing positions with a light tap on either side.
3. Attach front fixing brackets over the pin hole marks.
4. Attach INSERTA gallery rail.

**METABOX drilling template**

For manually boring all the holes necessary to build a METABOX drawer. Drilling template can be used for drawer front, back and bottom. Locates all fixing points.

Ø5 (3/16") & Ø10 (3/8") stop collars included. Ø10 (3/8") center punch included.

**METABOX assembly tools**
1. Determine runner locations from DynaPlan or by manual calculation.
2. Set templates on the bar by the scale
3. Clamp assembly to the cabinet side.
4. Bore Ø.5mm pilot holes for front and middle mounting positions.
5. Fasten runners to cabinet with wood screws.
6. Add screws to back of runner for added strength as required.

Adjustable calibrated drilling gauge

For determining cabinet profile positions and pilot boring.

Drilling gauge can be used with assembled or unassembled cabinets. Locates precise and level fixing points of cabinet profiles. Calibrated metric rail works with DynaPlan for locating profile position.

Includes:
1 Clamp assembly
2 Templates
3 Calibrated rail, length 1000 (39")
4 Extension drill bit for Ø2.5 (1/8")

65.3300 MINIFIX

MINIFIX

For precise positioning of cabinet profile fixing screws.
For METABOX series 320N, M, K, H
For runners 230M

www.cabinetparts.com
Dimensions in millimeters (inch equivalents as noted)
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Machines

MINIPRESS P - Deluxe boring and insertion machine

Features:
- Front adjustable boring distance with digital calibration
- Pneumatic hold-down clamps
- Improved boring depth adjustment
- Improved positioning stops (4)
- Tool kit included
- Dust collection attachment
- Accepts optional 7 or 8 spindle boring heads

Single phase - 220V power
Laser center line optional.
Three phase - 220V power
Laser center line optional.
Three phase - 440V power
No laser center line option.

M53.1053.US
M53.1004.US
M53.1005.US

MINIPRESS P - Standard boring and insertion machine

Features:
- Front adjustable boring distance
- Improved boring depth adjustment
- Improved positioning stops (4)
- Tool kit included
- Dust collection attachment
- Accepts optional 7 or 8 spindle boring heads

Single phase - 220V power
Laser center line, hold down clamps and digital calibration optional.

M53.1053.UB

MINIPRESS M - 110V manual boring and insertion machine

Features:
- 110V power with molded plug (portable)
- Does not require pressurized air
- 4 positioning stops included
- Tool kit included
- Dust collection attachment
- Accepts optional 7 or 8 spindle boring heads

110V power
Boring distance stop kit optional. No laser center line option.

M52.1056.US

MINIDRILL P - Standard boring machine

Features:
- Front adjustable boring distance
- Improved boring depth adjustment
- Improved positioning stops (4)
- Tool kit included
- Dust collection attachment
- Accepts optional 7 or 8 spindle boring heads

Single phase - 220V power
Optional hold down clamps, laser center line and digital calibration.
Three phase - 220V power
Optional hold down clamps, laser center line and digital calibration.
Three phase - 440V power
Optional hold down clamps and digital calibration. No laser center line option.

M53.1053.50
M53.1004.50
M53.1005.50
MINIPRESS boring heads

For line boring with the MINIPRESS.
The 7-spindle head bores 7 holes 32mm apart, parallel to the fence. The 8-spindle head bores 8 holes 32mm apart, perpendicular to the fence. Bores for all METABOX front fixing brackets and galleries.

Drill bits

Drill bits for the MINIPRESS/MINDRILL and boring heads.

Installation tools

For location and insertion of front fixing brackets.

Three spindle locator enables the positioning of the drawer front without using fence stops.
MINISTICK fence stop

Enables fast setup for drawer front boring and front fixing bracket insertion with the MINIPRESS.

Eliminates the need for multiple fence stops.

Includes:
- LH & RH adj. stick mechanism
- (2) Upper drawer stops
- (2) Bottom drawer stops

MZS.0040 MINISTICK

Essential tool for production boring of drawer fronts when using DynaPlan software.

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 adjustment screws. POZI screws can be identified by the distinctive “tick” marks located in the center of the screwhead recess.

POZI DRIVER #2 POZI DRIVER
BIT HOLDER 1/4” magnetic bit holder
POZI BIT #2x1 #2 x 1” POZI bit insert

Deep thread system screws

Pilot bore Ø5 (3/16”) hole
Nickel plated

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<th>Description</th>
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Deep thread wood screws

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<td>#2 Phillips, nickel plated</td>
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<td>#6 x 1/2”</td>
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Screws and bumpers

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<td>10 (3/8”) dia. x 3 (1/8”) thk.</td>
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Dimensions in millimeters (inch equivalents as noted) Subject to technical modifications without notice. © 2007
METABOX drawer front overlay charts

Determining front fixing bracket locations

Side location

For overlays not shown please refer to specification pages 6-17 to calculate hole locations

Bottom location

For overlays not shown please refer to specification pages 6-17 to calculate hole locations
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Information is also available on these other Blum products:

- AVENTOS lift systems
- Blum Concealed hinges: CLIP top, CLIP, MODUL, and COMPACT
- BLUMOTION for doors
- DYNAMIC SPACE
- Machine and assembly aids
- ORGA-LINE organization system
- POCKET DOOR hardware
- STANDARD drawer runners
- SOLO concealed runners
- TANDEM concealed runners
- TANDEMBOX plus BLUMOTION drawer system