Precise assembly is required to ensure Blum products function optimally.

Designed and manufactured by Blum to support assembly and installation to the highest standard, Blum Assembly Devices make the Blum product experience fast and efficient in the workshop or on site with customers.

The wide range of drilling and insertion machines provide you with the right solution for common assembly situations.

Cabinet Planning and more – DYNALOG

DYNALOG the planning and ordering software by Blum, enables flexible cabinet planning and easy ordering of Blum fittings.

DYNALOG consists of three parts:

- DYNACAT – The Blum electronic catalogue
- DYNASHOP – Your shopping basket
- DYNAPLAN – The cabinet planner including CABMAX, a feature that helps plan ergonomic kitchens.

Using DYNAPLAN, it is possible to export data to various CAD/CAM programs and further edit them there. This enables you to take advantage of both programs for optimal use.
Be amazed at the sophistication and freedom of design with TANDEMBOX antaro. TANDEMBOX antaro has a clear style — whether it’s open with a gallery or as a closed drawer with a side design element.

TANDEMBOX antaro has minimalist side options to create the look you want, with proven TANDEM running action and BLUMOTION soft-close technology which ensures drawers glide open and close softly. Perfect for kitchens, bathrooms, and in any custom cabinetry, TANDEMBOX antaro is the balanced combination of minimalist design and modern technology.
Assembly Devices

DYNALOG
MINIPRESS PRO
MINIPRESS P

DRAWERS, HINGES & ASSEMBLY DEVICES

Drawer Assembly Devices

BOXFIX M
Centre Bit
Universal Drilling Template
Universal Drilling Template - SPACE CORNER Application
Universal Individual Template
Universal Individual Template - SPACE CORNER Application
Marking Gauge
Drilling Template for SPACE CORNER with SYNCROMOTION
Drilling Template for TIP-ON for TANDEMBOX
Drilling Template for MOVENTO and TANDEM
Drilling Template for Pull-out Surround Corner Connectors
Drilling Template for SERVO-DRIVE Bracket Profile Attachment
Drilling Template for SERVO-DRIVE Distance Bumpers
Test Jack Connector for SERVO-DRIVE
METABOX Marking Gauge
METABOX Front Bracket Insertion Tool

Hinge Assembly Devices

Drilling Head - Blum Hinge Pattern
ECODRILL
Drilling Template for Hinges
Drilling Template for Hinge System
Template for Hinge, Plates and AVENTOS
Drilling Template for Mounting Plates
Drilling Template for BLUMOTION/TIP-ON
Positioning Template for TIP-ON Catch Plate
Cabinet Angle Template

AVENTOS Assembly Devices

Drilling Template for AVENTOS SERVO-DRIVE Switch
DYNALOG - CABINET PLANNING AND MORE

- DYNALOG, the Blum planning and ordering software, enables flexible cabinet planning and easy ordering of Blum fittings.
- DYNALOG can be learned quickly and is easy to operate even if you only use it occasionally.
- Automatic collision checks ensure that designs are feasible and do away with trial applications.
- Using DYNAPLAN it is possible to export data to various CAD/CAM and further edit them there, so you can get the best out of both programs.

DYNALOG - ADVANTAGES AT A GLANCE

- Easy to plan cabinets, collision check included
- Easy to choose fittings, installation check included
- Easy to manage cabinets
- Gives you complete data for manufacturing and ordering
- Easy to place and manage orders
- Cross-referencing facility to Lincoln Sentry Codes
- Using the DYNAPLAN interface, data export to various CAD/CAM programs such as AutoCAD® is possible
- Open common file formats for re-use in other programs: xls, csv, doc, html, dxf, dwg, sat, igs, x_t, jpg, etc.
**DYNALOG**

**DYNALOG 2.9**
- DYNALOG includes 3 modules:
  - DYNACAT (CD-ROM product catalogue)
  - DYNASHOP (shopping basket)
  - DYNAPLAN (cabinet planner)
- Its modular design makes it easy to use and supports product selection, ordering and cabinet planning

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DYNALOG 2.9</td>
<td>DAA.2943</td>
<td>1-285-505</td>
</tr>
</tbody>
</table>

**DYNACAT – THE ELECTRONIC PRODUCT CATALOGUE**
- DYNACAT supports you during fittings selection and also provides additional, useful information regarding manufacturing and assembly
- 2D and 3D CAD data for all fittings are available in common formats (dxf, dwg, etc.)

**DYNPLAN – THE CABINET PLANNER**
- With DYNPLAN, you have several options for planning cabinets and ordering the correct fittings
- All required cutting dimensions and fixing positions of fittings are calculated automatically
- An integrated collision check saves costly trial applications

**DYNASHOP – THE SHOPPING BASKET**
- The fittings determined via DYNAPLAN and DYNACAT can be easily ordered via DYNASHOP
- It also provides additional, useful function creating projects & Lincoln Sentry item code numbers

**DYNPLAN INTERFACE ADVANTAGES**

**Features:**
- The CAD system remains the main program. DYNAPLAN can be opened as an auxiliary program for special situations
- The interface lets you use the synergies of both programs. You only have to enter the data once
- It makes it easy to plan special cabinets. A collision check is carried out for the planned cabinet application and its fittings solutions. All relevant information such as wooden parts, drillings and fittings are exported via the press of a button from DYNAPLAN to the CAD/CAM program
- A manual import is not necessary and you don’t need to position the individual CAD data in the construction program

Using the DYNAPLAN interface, it is possible to export data to various CAD/CAM programs.

If required additional editing is possible to ensure you get the best out of both programs once the DYNAPLAN data has been transferred to your CAD/CAM program.

Regardless of whether you are using 3D data (dwg, dxf, etc.), exporting your cabinets planned in DYNAPLAN (incl. fittings data and drilling positions) to a CAD program or even implementing the fittings selection logic from DYNAPLAN in your CAD system – Blum product from Lincoln Sentry offers customers the right solution.
MINIPRESS PRO - VERSATILE

MINIPRESS PRO

- Take advantage of the MINIPRESS PRO’s versatility for easy vertical cabinet, door and front drilling.
- Blum hardware fittings can be assembled with absolute workshop precision and efficiency thanks to the quick and easy MINIPRESS PRO options.
- MINIPRESS PRO has many components so you can customise the amount of applications you would like to achieve.

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS PRO, Pneumatic, Single phase machine. Includes timber work table and tools</td>
<td>M54.2050</td>
<td>1-340-100</td>
</tr>
</tbody>
</table>

Contact your local Lincoln Sentry Territory Manager for more detail on the benefits a MINIPRESS PRO can bring to your business.

Colour Codes Simplify Set Up

The set-up of MINIPRESS PRO is simple with colour coded drilling heads, rulers and set up plan all matching.

Easy to Read Charts

Each work step is illustrated systematically and colour coded in the set-up plan.

Pre Equipped Colour Coded Drilling Heads

The pre-equipped drilling head, which is also colour coded per application, is inserted and secured using a locking device without the need for tools.

Practical and Precise Ruler System

The ruler drilling distance is set with the easy to use and read calibrated spindle.

Simple Tool Free Ruler Connection

The dedicated ruler with colour coded stops can be fitted in a matter of seconds without the need for tools.

Pre Set Depth Settings

The drilling depth can be pre-set on fixed positions using the colour coded revolving handle (revolving stop).
MINIPRESS PRO - DRILL HEADS & ACCESSORIES

**DRILLING & INSERTION HEAD**
- 3 spindles
- Drilling hinge pattern
- Hinge insertion (additional RAM required 1-344-025)
- 1 x Black and 2 x Orange drill bits required (sold separately)

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS PRO drilling and insertion head</td>
<td>MZK.2000</td>
<td>1-340-003</td>
</tr>
</tbody>
</table>

**DRILLING HEAD**
- 8 spindles
- Drilling cabinet profiles (runners)
- AVENTOS carcass drilling
- 4 x Black and 4 x Orange drill bits required (sold separately)

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS PRO drilling head</td>
<td>MZK.2000.01</td>
<td>1-340-006</td>
</tr>
</tbody>
</table>

**DRILLING & INSERTION HEAD**
- 2 spindles
- Cruciform mounting plate drilling and insertion
- 2 x Orange drill bits required (sold separately)

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS PRO drilling and insertion head</td>
<td>MZK.2110</td>
<td>1-340-009</td>
</tr>
</tbody>
</table>

**DRILLING HEAD**
- 9 spindles
- In line drilling capability
- 4 x Black and 5 x Orange drill bits required (sold separately)

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS PRO drilling head</td>
<td>MZK.2100</td>
<td>1-340-011</td>
</tr>
</tbody>
</table>

**DRILLING HEAD**
- 2 spindles
- Cruciform mounting plate drilling and insertion
- 2 x Orange drill bits required (sold separately)

**DRILLING & INSERTION HEAD**
- 9 spindles
- In line drilling capability
- 4 x Black and 4 x Orange drill bits required (sold separately)

**DRILLING HEAD**
- 2 spindles
- In line mounting plates, connectors and dowels
- 4 x Black and 1 x Orange drill bits required (sold separately)

**MINIPRESS PRO - DRILL HEADS & ACCESSORIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS PRO drilling head</td>
<td>MZK.2100</td>
<td>1-340-011</td>
</tr>
</tbody>
</table>

**MINIPRESS PRO drilling head**
- 2 spindles
- Cruciform mounting plate drilling and insertion
- 2 x Orange drill bits required (sold separately)

**MINIPRESS PRO drilling head**
- 2 spindles
- In line mounting plates, connectors and dowels
- 1 x Black and 1 x Orange drill bits required (sold separately)

**MINIPRESS PRO drilling head**
- 9 spindles
- In line drilling capability
- 4 x Black and 5 x Orange drill bits required (sold separately)
MINIPRESS P

- MINIPRESS P is a specialised machine to carry out precise routine drilling and insertion of Blum fittings to maximise user efficiency.
- With additional standard inclusions such as, Hold Clamps, Quick Connect Chucks, Calibrated Display, 16mm ruler adjustment, tool holder, MINISTICKS and MINISTICK drilling charts the MINIPRESS P is now even safer and more accurate.

**MINIPRESS P Kit**

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS P Kit</td>
<td>M53.1050</td>
<td>1-343-165</td>
</tr>
</tbody>
</table>

Contact your local Lincoln Sentry Territory Manager for more detail on the benefits a MINIPRESS P can bring to your business.

---

**Drilling of Various Patterns**

With the multi-swivel drilling head, various drilling patterns for furniture fixings can be set quickly, tool-free and precisely.

**Insertion of Blum Components**

MINIPRESS P is equally efficient when it comes to inserting Blum fittings. The operation is both simple and precise.

**Practical and Precise Ruler System**

The drilling distance is set easily from the front using a calibrated spindle.

Now standard on all MINIPRESS P machines in Australia.

**Quick Connect Chuck**

For quick and comfortable drill bit changeovers.

The quick connect chucks can be retrofitted individually.

**9 Spindle Drilling Head**

For efficient drilling of hole groups within the 32 mm system.

**8 Spindle Drilling Head**

For the assembly of BOX front fixings and cabinet profiles (runners).
Assembly Devices

MINIPRESS P - DRILL HEADS & ACCESSORIES

9 SPINDLE DRILLING HEAD

- In line (Horizontal) drilling capability
- Shelf Holes
- Retro Kit needed for pre 2010 model MINIPRESS
- 4 x Black and 5 x Orange drill bits required (sold separately)

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINIPRESS P, 9 Spindle Drilling Head</td>
<td>MZK.190S</td>
<td>1-343-111</td>
</tr>
</tbody>
</table>

8 SPINDLE DRILLING HEAD

- In line (Vertical), drilling capability
- Front Fix Brackets, Cabinet profiles (runners)
- Retro Kit needed for pre 2010 model MINIPRESS
- 4 x Black and 4 x Orange drill bits required (sold separately)

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No</th>
<th>Code</th>
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<tbody>
<tr>
<td>MINIPRESS P, 8 Spindle Drilling Head</td>
<td>MZK.880S</td>
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- Description | Blum No | Code |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Extension Ruler, 1250mm</td>
<td>MZL.1250</td>
<td>1-344-055</td>
</tr>
<tr>
<td>Ruler Supports (suits MZL.1250)</td>
<td>MZV.2100</td>
<td>1-344-061</td>
</tr>
<tr>
<td>Insertion Ram, suitable for many Blum hinge types</td>
<td>MZM.0040</td>
<td>1-344-025</td>
</tr>
<tr>
<td>Insertion Ram, Inline mounting plates 177H3100</td>
<td>MZM.0053</td>
<td>1-344-033</td>
</tr>
<tr>
<td>Insertion Ram, METABOX ZSF.1600 and ZSF.1800 front fix brackets (Suits M.K.H height drawers)</td>
<td>MZM.0292.01</td>
<td>1-344-037</td>
</tr>
<tr>
<td>Insertion Ram, METABOX ZSF.1610 front fix brackets (Suits N height drawers)</td>
<td>MZM.0093.02</td>
<td>1-344-040</td>
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<tr>
<td>Mini ruler stop, left hand</td>
<td>MZS.2000-L</td>
<td>1-344-068</td>
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<tr>
<td>Mini ruler stop, right hand</td>
<td>MZS.2000-R</td>
<td>1-344-070</td>
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<tr>
<td>Retro Kit for Drilling Heads, suits MINIPRESS Pre 2010 model</td>
<td>M30.1313.UM</td>
<td>1-343-160</td>
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<tr>
<td>Quick connect chuck collar</td>
<td>MZF.1030</td>
<td>1-344-081</td>
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<tr>
<td>Quick connect chuck Sleeve only - Right Hand</td>
<td>MZF.1020</td>
<td>1-344-082</td>
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<tr>
<td>Quick connect chuck Sleeve only - Left Hand</td>
<td>MZF.1010</td>
<td>1-344-084</td>
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<tr>
<td>Quick Connect - Spindle Head Drive Shaft</td>
<td>MZK.1130</td>
<td>1-344-085</td>
</tr>
<tr>
<td>Insertion Ram, Inline mounting plates 177H3100</td>
<td>MZM.0053</td>
<td>1-344-033</td>
</tr>
</tbody>
</table>

- Description | Blum No | Colour | Code |
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<tr>
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<tbody>
<tr>
<td>5mm x 57mm, Right hand</td>
<td>Black</td>
<td>1-345-006</td>
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<tr>
<td>5mm x 57mm, Left hand</td>
<td>Orange</td>
<td>1-345-011</td>
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<tr>
<td>8mm x 57mm, Right hand</td>
<td>Black</td>
<td>1-345-016</td>
<td></td>
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<tr>
<td>8mm x 57mm, Left hand</td>
<td>Orange</td>
<td>1-345-021</td>
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</tr>
<tr>
<td>10mm x 57mm, Right hand</td>
<td>Black</td>
<td>1-345-026</td>
<td></td>
</tr>
<tr>
<td>10mm x 57mm, Left hand</td>
<td>Orange</td>
<td>1-345-031</td>
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</tr>
<tr>
<td>20mm x 57mm Right hand</td>
<td>Black</td>
<td>1-345-040</td>
<td></td>
</tr>
<tr>
<td>25mm x 57mm Right hand</td>
<td>Black</td>
<td>1-345-045</td>
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<tr>
<td>35mm x 57mm Right hand</td>
<td>Black</td>
<td>1-345-050</td>
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</tbody>
</table>

* Items below are included within MINIPRESS P Kit 1-343-165. Also available as spare parts.

- Description | Blum No | Code |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>16mm Side Adjustment Set</td>
<td>MZE.1300</td>
<td>1-344-015</td>
</tr>
<tr>
<td>MINIPRESS P Drilling Distance Display</td>
<td>MZE.2110</td>
<td>1-344-016</td>
</tr>
<tr>
<td>MINIPRESS P Clamp Set</td>
<td>MZE.2110</td>
<td>1-344-017</td>
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</table>

- Description | Blum No | Code |
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<tbody>
<tr>
<td>MINISTICK Drilling Positions</td>
<td>MZE.0040</td>
<td>1-344-062</td>
</tr>
<tr>
<td>MINISTICK Charts Set x 12</td>
<td>MZE.0000</td>
<td>1-343-162</td>
</tr>
<tr>
<td>Chuck and Collar Set</td>
<td>MZF.1000.01</td>
<td>1-344-080</td>
</tr>
</tbody>
</table>

D.7

DRAWERS, HINGES & ASSEMBLY DEVICES
DRAWERS, HINGES & ASSEMBLY DEVICES

Assembly Devices

**BOXFIX M**

- Designed to assemble TANDEMBOX
- Drawer side lengths 270 to 650mm
- Cabinet widths 275 to 1200mm
- Back heights up to 350mm
- BOXFIX M includes:
  - Centre Bit x 1
  - Width Stop x 1

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOXFIX M</td>
<td>ZMM.3350</td>
<td>1-343-005</td>
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</table>

**CENTRE BIT**

<table>
<thead>
<tr>
<th>Description</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centre Bit</td>
<td>MO1.ZZ03</td>
<td>2-315-905</td>
</tr>
<tr>
<td>Replacement Bit 2.6mm</td>
<td>M01.ZZB3</td>
<td>2-315-910</td>
</tr>
</tbody>
</table>

Assembly of drawers and high fronted pull-outs

- Nominal length and pull-out width are set.
- Wooden back fixing brackets are attached to the wooden back.
- Back, base and drawer sides are inserted and secured.
- The drawer base is attached to the TANDEMBOX drawer sides using screws.

Precision technology increases efficiency

1) Width setting.
2) Fix back fixing bracket.
3) Fix parts.
4) Screw on.

Dimension data and specifications may change without notification.
Assembly Devices

DRAWER ASSEMBLY DEVICES

UNIVERSAL DRILLING TEMPLATE

- Template for pre-drilling the fixing positions for cabinet profiles, lift mechanisms, mounting and adapter plates
- The template can be used with assembled and unassembled cabinets
- Set the height and depth position using the calibration
- Suitable for overlay and inset applications
- Includes drilling depth stop
- Includes 5mm (system screws) and 2.5mm (wood screws) reducing bush
- Assembly on marking line possible

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal Drilling Template</td>
<td>Nylon/Steel/Aluminium/Zinc</td>
<td>65.1000.01</td>
<td>1-285-675</td>
</tr>
</tbody>
</table>

SPACE CORNER APPLICATION

- For pre drilling the fixing positions of cabinet profiles for SPACE CORNER in combination with the universal drilling template part number 1-285-675

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add on Part for SPACE CORNER</td>
<td>Steel/ Hardened</td>
<td>65.1106</td>
<td>1-285-677</td>
</tr>
</tbody>
</table>
**UNIVERSAL INDIVIDUAL TEMPLATE**

- Template for pre-drilling the fixing positions for cabinet profiles, lift mechanisms, mounting and adapter plates
- The template can be used with assembled and unassembled cabinets
- Set depth position using the calibration
- Suitable for overlay and inset applications
- Includes drilling depth stop
- Includes 5mm (system screws) and 2.5mm (wood screws) reducing bush
- Includes Allen Key

**SPACE CORNER APPLICATION**

- For pre drilling the fixing positions of cabinet profiles for SPACE CORNER in combination with the universal drilling template part number 1-285-669

**MARKING GAUGE**

- For marking or pre-drilling the fixing positions of front fixings including gallery, drawer back
- Base drilling (METABOX ONLY quick assembly version C15)
- AVENTOS front fixings
- Stop setting via the calibration

---

**Description** | **Material** | **Blum No.** | **Code**
--- | --- | --- | ---
Universal Individual Template | Nylon/Steel/Aluminium | 65.1051.02 | 1-285-669

**Description** | **Material** | **Blum No.** | **Code**
--- | --- | --- | ---
Add on Part for SPACE CORNER | Steel/ Hardened | 65.1107 | 1-285-672

**Description** | **Material** | **Blum No.** | **Code**
--- | --- | --- | ---
Marking Gauge | Nylon/Steel | ZML.0040 | 1-285-693
**DRILLING TEMPLATE FOR SPACE CORNER WITH SYNCRIMOTION**

- Template for drilling the fixing positions for the SPACE CORNER SYNCRIMOTION fittings.

**SYNCROMOTION Drilling**

Position the drilling template in the corner and drill for the front SYNCRO fitting.

Place drilling template on the side and drill for corner front piece.

Complete drilling pattern.

<table>
<thead>
<tr>
<th>Description</th>
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<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template For SPACE CORNER With SYNCRIMOTION</td>
<td>Nylon/Steel</td>
<td>ZML.0330</td>
<td>1-285-690</td>
</tr>
</tbody>
</table>

**DRILLING TEMPLATE FOR TIP-ON FOR TANDEMBOX**

- Template for pre-drilling the fixing positions for the locking mechanism and synchronisation unit.
- Drilling template can be used with assembled and unassembled drawers.
- Assembly on a marking line.
- Includes 1 x drilling depth stop 5mm.
- Includes 1 x reducing bush 5mm to 2.5mm.
- Includes 1 x Allen Key.

TIP-ON assembly – Locking mechanism unit.

Position template on unattached drawer base or on drawer side (attached 3-sided drawer).

Drill fixing positions for locking mechanism unit.

Position template on drawer base on marking line.

Pre-drill fixing positions for synchronisation unit (Ø 2.5 mm).

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template for TIP-ON for TANDEMBOX</td>
<td>Nylon/Steel/Aluminium</td>
<td>65.5050</td>
<td>1-285-697</td>
</tr>
</tbody>
</table>
Assembly Devices

DRAWER ASSEMBLY DEVICES

DRILLING TEMPLATE FOR MOVENTO AND TANDEM

- Template for drilling the runner hook positions
- Pre-drilling the MOVENTO/TANDEM locking device fixing positions

Hook Drilling

Pre-drilling of locking device fixing positions

Drilling for TANDEM-locking

Pre-drilling of locking device fixing positions
Screw on locking device

<table>
<thead>
<tr>
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<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template for MOVENTO and TANDEM</td>
<td>Nylon/Steel</td>
<td>T65.1000.02</td>
<td>1-285-691</td>
</tr>
</tbody>
</table>

DRILLING TEMPLATE FOR PULL-OUT SURROUND CORNER CONNECTORS

- The drilling template can be used to pre-drill corner connector fixing positions to suit TANDEMBOX, MOVENTO, TANDEM, METABOX and STANDARD
- Includes 3 x 2.5mm drill bit
- Includes 1 x blade screw driver

Set side distance position using the stop
Position template on pull-out surround
Drill fixing positions for corner connectors

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template for Pull-Out Surround Corner Connectors</td>
<td>Nylon/Steel</td>
<td>ZML.0010</td>
<td>1-285-681</td>
</tr>
</tbody>
</table>
**DRILLING TEMPLATE FOR SERVO-DRIVE BRACKET PROFILE ATTACHMENT**

- Template for marking or pre-drilling the fixing positions for the SERVO-DRIVE bracket profile adapter
- The drilling template can be attached to an assembled and unassembled cabinet as well as to individual components (bottom panel/top panel/cross bar)
- Assembly on a marking line
- Suitable for TANDEMBOX, MOVENTO and TANDEM
- Includes 1 x drilling depth spacer 10mm
- Includes 1 x marking template 10mm

**Drilling on the cabinet and loose cross bar**

Mark cabinet profile fixing position
Attach drilling template to marking line
Mark or drill required drilling
Insert bracket profile adaptor and secure

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template for SERVO-DRIVE Bracket Profile Attachment</td>
<td>Nylon/Steel/Aluminium</td>
<td>ZML.1150.02</td>
<td>1-285-625</td>
</tr>
</tbody>
</table>

**DRILLING TEMPLATE FOR SERVO DRIVE DISTANCE BUMPERS**

- Bumper drilling template for use on an unattached or attached front and/or cabinet
- Assembly on a marking line and stop (fixed dimension 20mm)
- Suits 5mm Blum distance bumper (993.0530, 1-244-009)
- Includes 1 x depth spacer 8mm
- Includes 1 x reducing bush 8 to 5mm

**Attaching the distance bumper**

Attach drilling template to front of carcass
Perform drilling for distance bumper
Insert Blum distance bumper (do not glue)

<table>
<thead>
<tr>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template For SERVO-DRIVE Distance Bumpers</td>
<td>Nylon/Steel</td>
<td>ZML.1090</td>
<td>1-285-620</td>
</tr>
</tbody>
</table>
TEST JACK CONNECTOR FOR SERVO-DRIVE

- Enables you to easily check the correct cabling of SERVO-DRIVE components using a toolfree, plug-in connector
- Can only be used with the SERVO-DRIVE transformer

Checking SERVO-DRIVE components

Connect transformer to test jack connector and SERVO-DRIVE components

The connection and/or cabling of the individual components is correct when all LEDs light up on drive units

<table>
<thead>
<tr>
<th>Description</th>
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<th>Blum No.</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Jack Connector for SERVO-DRIVE</td>
<td>Nylon/Steel</td>
<td>ZML.1290</td>
<td>1-285-623</td>
</tr>
</tbody>
</table>
### METABOX MARKING GAUGE

- Suits METABOX
- Single (320) and Full Extension (330)
- M (86mm), K (115mm) and H (150mm) heights
- Includes Left and Right Gauge
- Right hand Gauge has adjustable stop for correct drawer overlay set up

### METABOX FRONT BRACKET INSERTION TOOL

- Suits METABOX
- ZSF.1300 and ZSF.1800 Front Fix Brackets with Dowel

<table>
<thead>
<tr>
<th>Description</th>
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<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marking Gauge</td>
<td>Nylon/Steel</td>
<td>ZML.1500</td>
<td>1-285-694</td>
</tr>
<tr>
<td>Metabox Front Bracket Insertion Tool</td>
<td>Nylon/Steel</td>
<td>ZME.1600.01</td>
<td>1-285-692</td>
</tr>
</tbody>
</table>
Assembly Devices

Hinge Assembly Devices

Drilling Head - Blum Hinge Pattern

- To drill the Blum hinge pattern
- Fourth drilling spindle to drill fixing holes for horizontal mounting plates and connectors
- For all drilling and insertion machines, dowel insertion machines etc. with a minimum of two chucks (Ø10 mm, distance 32mm) positioned at a 90° angle to the ruler
- Correct drilling depth through integrated drilling depth stop
- Suits Hettich and Grass Machines

Description | Material | Blum No | Code  
--- | --- | --- | ---  
1. Drilling Head - Blum Hinge Pattern | Nylon/Steel/Aluminium | MZK.9900 | 1-343-130  

Drill Bit Description | Drill Bit Colour | Blum No | Code  
--- | --- | --- | ---  
2. Right Hand 8 x 30mm | Black | M01.ZB08.32 | 1-343-135  
2. Left Hand 8 x 30mm | Red | M01.ZB08.33 | 1-343-136  
2. Right Hand 35 x 30mm | Black | M01.ZB35.32 | 1-343-137  
2. Left Hand 35 x 30mm | Red | M01.ZB35.33 | 1-343-138

ECODRILL

- Simple hand held tool to drill accurate hole patterns for Blum hinges
- Driven by hand drill
- Variable drilling distance (from 2 to 8 mm)
- Assembly on a marking line
- Includes 2 x 8mm drill bit
- Includes 1 x 35mm drill bit
- Includes 2 x torx bit

ECODRILL Comprises of:

1. Drilling Gauge 1 Piece  
2. Allen Keys 2 Pieces  
3. Drill Bit Ø 35mm 1 Piece  
4. Drill Bit Ø 8mm 1 Piece

Description | Material | Blum No | Code  
--- | --- | --- | ---  
ECODRILL | Aluminium Die Casting | M31.1000 | 1-343-140
## DRILLING TEMPLATE FOR HINGES

- Template for drilling the side fixing positions for hinges (Ø 8 and/or Ø 2.5 mm)
- Template for pre-drilling the fixing positions for horizontal and cruciform mounting plates
- Template for pre-drilling the fixing positions for adapter plates (BLUMOTION/TIP-ON for doors)
- Assembly on a marking line

### Description

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</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template For Hinges</td>
<td>Nylon/Steel</td>
<td>65.059A</td>
<td>1-335-511</td>
</tr>
</tbody>
</table>

### Hinge system assembly - door

- Perform boss drilling (Ø 35 mm)
  - e.g. using a pillar drill
- Position template and fix with a spacer
- Drill side holes for hinges

- Mark hinge arm centre
  - Attach template and pre-drill fixing positions for inline (20 mm) or cruciform mounting plates (37mm)

### DRILLING TEMPLATE FOR HINGE SYSTEM

- Template for the transfer of measurements for hinge and mounting plate fixing positions
- Template for the transfer of measurements from door to cabinet and from cabinet to door
- Drilling template can be used with assembled or unassembled cabinets
- Adjustable stop for various front overlays, the calibration makes it easy to set the template

### Description

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</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template For Hinge System</td>
<td>Aluminium/Nylon</td>
<td>65.7500.03</td>
<td>1-335-512</td>
</tr>
</tbody>
</table>

### Hinge system assembly - door undrilled

- Position drilling template onto cabinet
- Transfer desired position of attached mounting plate and/or system drilling to drilling template
- Set desired door overlay using the calibration
- Position drilling template on to door and mark hinge drilling pattern using marking template

- Set desired front overlay using the calibration
- Transfer desired position of hinge drilling and/or attached hinge to drilling template
- Position drilling template onto cabinet and mark or pre-drill fixing positions for mounting plates
**TEMPLATES FOR HINGE, PLATES AND AVENTOS**

- Template for drilling the fixing positions for mounting plates (Ø 2.5 mm)
- Template for pre-drilling the fixing positions for adapter plates (BLUMOTION/TIP-ON for doors)
- Template for transferring door measurements to the cabinet
- If mounting plate fixing positions are standard throughout, then it is possible to fix several templates to a wooden strip
- Assembly on a marking line

**DRILLING TEMPLATE FOR MOUNTING PLATES**

- Template for drilling the fixing positions for cruciform mounting plates (Ø 5 mm)
- Template for drilling the fixing positions for cruciform mounting plates (BLUMOTION/TIP-ON for doors)
- The aligning function allows you to drill the 32 mm dimension exactly
- Assembly on a marking line

**Description** | **Material** | **Blum No** | **Code**
--- | --- | --- | ---
Template for Hinge, Plates and AVENTOS | Steel | 65.5300 | 1-335-505
Drilling Template For Mounting Plates | Nylon/Steel | 65.5070 | 1-335-506
**DRILLING TEMPLATE FOR BLUMOTION/TIP-ON**

- Template for drilling insert BLUMOTION for doors, as well as TIP-ON for doors and AVENTOS
- Assembly on a marking line

**POSITIONING TEMPLATE FOR TIP-ON CATCH PLATE**

- TIP-ON catch plate (glue-on or screw-on)
- Suitable for overlay and inset applications
- Measurements transferred by marking the position or by direct adhesion

### Description

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</tr>
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<tbody>
<tr>
<td>Drilling Template for BLUMOTION/TIP-ON</td>
<td>Nylon/Steel</td>
<td>65.5010</td>
<td>1-285-688</td>
</tr>
<tr>
<td>Positioning Template for TIP-ON Catch Plate</td>
<td>Nylon/Steel</td>
<td>65.5210</td>
<td>1-285-689</td>
</tr>
</tbody>
</table>

**Instructions**

- **TIP-ON assembly**
  - Place template on the TIP-ON fitting and then insert the catch plate
  - Remove protective film
  - Gently close door
  - Press on catch plate

- **BLUMOTION assembly**
  - Position template on marking line
  - Distance from cabinet inner side to centre drilling 7.5 mm
  - Perform drilling for TIP-ON (Ø 10 mm)
  - Distance from cabinet inner side to centre drilling 7.5 mm
  - Perform drilling for BLUMOTION (Ø 10 mm)
CABINET ANGLE TEMPLATE

- Template for determining the cabinet angle
- Determining the correct hinge solution

Position template on angled cabinet
Note cabinet angle and angled application
A suitable hinge solution depends on the cabinet angle or angled application
Number refers to applicable hinge. See Section B for specific selection

<table>
<thead>
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<th>Description</th>
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<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet Angle Template</td>
<td>Nylon</td>
<td>65.5810.01</td>
<td>1-335-508</td>
</tr>
</tbody>
</table>

DRILLING TEMPLATE FOR AVENTOS SERVO-DRIVE SWITCH

- Simple hand-held tool for drilling accurate holes for the SERVO-DRIVE switch attachment
- Driven by hand drill
- Drilling template can be used with assembled and unassembled cabinets
- Assembly on a marking line
- Includes 1 x 35mm drill bit
- Includes 1 x torx bit

Mark desired SERVO-DRIVE switch position
Position template on marking line and fix with clamping screw
Perform attachment drillings for the SERVO-DRIVE switch with the hand drill

<table>
<thead>
<tr>
<th>Description</th>
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<th>Blum No</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling Template For AVENTOS SERVO-DRIVE Switch</td>
<td>Aluminium Die Casting</td>
<td>M31.2000</td>
<td>1-285-705</td>
</tr>
</tbody>
</table>

Dimension data and specifications may change without notification.
The new power tool for the growing P-System

As a leading manufacturer of precision connection systems, Lamello’s P-System sets the benchmark for the connection of work pieces and fittings.

The great benefit for users is the simple mounting procedure of the fittings that allows you to enhance both your creativity and productivity on a daily basis.

Make sure you ask your Territory Manager how the Lamello P-System can save you time and money in completing every job you do.