AVENTOS HS
Up and over lift system
Blum, Inc. is a leading manufacturer of functional hardware for the kitchen cabinet and commercial casegoods industries specializing in concealed hinges, lift systems and drawer runner systems. Virtually all of the hardware needed to assemble and make cabinets functional are available within the wide range of quality Blum products.

Blum’s manufacturing and distribution facility 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 manufacturer 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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Opening action – easier than ever

AVENTOS HS provides comfort of motion that is sure to impress. Even heavy doors can be opened effortlessly, and thanks to BLUMOTION, come to a gentle halt. The variable stop ensures that the door always remains in the desired position, so the handle will always be within reach.

Its elegant yet simple design makes it easy to integrate the up and over lift hardware into the cabinet. The high-quality cover caps for AVENTOS HS give the cabinet interior a modern look.

Silent and effortless closing – integrated BLUMOTION

Regardless of how heavy the door or whether it’s closed with force, it will open and close silently and effortlessly every time.

BLUMOTION on AVENTOS HS provides:
- Doors swing downward ...
- ... are brought to a gentle halt and ...
- ... close silently and effortlessly.
Overview

AVENTOS HS covers all common door widths and heights with just one simple program with nine different lift mechanisms and only 1 arm assembly set. This enables you to offer the right combination for most size and door weights. The symmetrical lift mechanism can be used on the left or right. This trim product line simplifies ordering, planning and warehousing. AVENTOS HS is suitable for cabinet widths up to 48 inches and for cabinet heights from 13-3/4 to 32 inches. Two lift mechanisms plus the stabilizer rod and associated arm assembly are used for each cabinet width.

Few parts – many applications

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Fast assembly and removal

An experienced kitchen installer will remove the door when mounting a wall cabinet. This protects surfaces and makes the cabinet lighter. With AVENTOS HS, the door can be removed simply and quickly via the integrated CLIP technology.

In this way, the cabinet can be quickly, easily and securely attached to the wall for the final assembly. Assembly into the cabinet takes just a few steps:

- The lift mechanism is attached. When installing the lever arm HS requires no tools.
- The stabilizer is attached to the lift mechanism for optimal side stability.
- The symmetrical mounting plate is attached to the door.
- The arm assembly and the door are connected via the CLIP mechanism.

WARNING

Risk of injury by spring-loaded arm assembly
- Do not push arm assembly down or leave in the down position
- Remove arm assembly from mechanism before installing or removing from cabinet
For questions or more detailed instructions, call 1-800-438-6788 or www.blum.com

Fast and precise adjustment

The door can be adjusted by hand in three dimensions. This enables you to carry out width, height and tilt adjustments quickly and easily on site – for perfect door alignment.

The 3-dimensional adjustment feature enables doors to be precisely positioned. Lift mechanisms can be adjusted to the respective door weight.
Blum is dedicated to quality. Your customers will recognize this with AVENTOS HS. The core element of the lift mechanism is a robust spring assembly that is very durable.

### Extremely durable

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### No protruding parts

There are no protruding parts thanks to the removable arm assembly on AVENTOS HS. This provides improved safety for cabinet manufacturing, transport and installation.
With AVENTOS HS, storage space is optimized in wall cabinets. Even smaller wall cabinets can be arranged with regular shelves without coming into contact with the hardware.

Crown molding clearance

When developing the AVENTOS HS up and over lift mechanism, we also took into account cabinets equipped with projecting elements (such as cornice or lighting). This gives you more room for design during kitchen planning.

Similar shelves
**Step 1: Determine required hardware**

Use the chart on page 8 to find the proper lift mechanism based on the height of the cabinet and weight of the door. Go to the page for your application: face frame, panel or narrow aluminum door. The required stabilizer rod and hardware kit are listed on these pages.

**Step 2: Determine mounting location for lift mechanism**

Use the diagrams on the top of the right hand page of your application to determine the lift mechanism locating hole positions. Pre-bore these holes in the cabinet side and attach the lift mechanism as shown.

**NOTE:** For face frame applications, cabinet sides must be blocked out flush with face frame opening.

**Step 3: Determine required mounting plates and mounting locations**

Determine the necessary mounting plates based on application and use the diagram on the right hand page of your application to determine their mounting location. Attach the mounting plates based on this location.

**Step 4: Assemble cabinet**

Turn to pages 17 and 18 for assembly instructions.
Determining required lift mechanism

Each chart covers three different lift mechanisms (9 total). To determine the required lift mechanism set for any application, find the cabinet height down the left side of the charts (in inch or mm), then go across to the range that contains the weight of your door in pounds and ounces. Follow that column to the top orange box to get the part number for the lift mechanism set required for your application.

**NOTE:** Pounds are in **bold**, part numbers in **ORANGE**.
Wood or wide aluminum door for face frame applications

Determine required parts

To determine the required lift mechanism set for any application, see the chart on page 8. The lift mechanism is determined by finding the cabinet height and door weight in the chart.

There is one hardware kit containing the parts for wood and wide aluminum frame applications. The stabilizer rod is required for all applications.

NOTE: Face frame cabinets must be blocked out flush with the frame on the sides to mount the AVENTOS HS lift mechanisms.

Using this catalog

Lift mechanism chart page
Installation & removal pages 17 - 19

Required parts

Set includes:

- 2 x Lift mechanisms
- 2 x Cover plates (right and left)
- 2 x Cover caps
- 2 x Arm assembly (right and left)
- 2 x Stabilizer rod cover caps
- 10 x #7x35mm (1-3/8") wood screws

NOTE: To determine required lift mechanism, see page 8.

### Lift mechanism set

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<tr>
<th>Part no.</th>
<th>Hardware set</th>
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<tr>
<td>20S1A00.NA</td>
<td>20S1B00.NA</td>
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<td>20S1D00.NA</td>
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<td>20S1G00.NA</td>
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### Stabilizer rod

Cut to length
Length = Interior cabinet opening - 120 mm

- Aluminum 1061 mm (41-7/8") Part no. 20Q1061U

### Wood/wide aluminum door hardware set

Set includes:

- 2 x 20S4200 Wood/wide aluminum mounting plate
- 2 x 20S4F01 Wood/wide aluminum mounting plate with bracket
- 22 x 606P Wood door screws for 20S4200*
- 18 x 7072A Aluminum door screws for mounting plates*
- POZI #2x2 driver bit for adjusting tension

* only 8 screws required

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<thead>
<tr>
<th>Part no.</th>
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<tr>
<td>20S4200.S1</td>
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NOTE: For Max. cabinet dimensions see page 3
The mounting plate with bracket (20S4F01) is required when the mounting plate center line is in less than 6mm from the center panel.

**NOTE:** Face frame cabinets must be blocked out on the sides to mount the AVENTOS HS lift mechanisms.

Use the standard mounting plate (20S4200) for solid doors or on five panel doors when the mounting plate center line is in more than 6mm from the center panel.

**NOTE:** Attach mounting plate with four 606P screws provided.

The mounting plate with bracket (20S4F01) is required when the mounting plate center line is in less than 6mm from the center panel.