



Solutions for All Applications

AVENTOS





There are many good reasons why AVENTOS lift systems are an excellent choice for wall cabinets.

Since the cabinet doors open upwards, AVENTOS provides an excellent view into the cabinet interior enabling comfortable and ergonomic access to storage items.

The AVENTOS program opens up a whole new world of design possibilities for kitchen and office spaces. Even the widest and heaviest doors can be accommodated. Wide base cabinet designs can now be mirrored in the wall cabinets above to create a more uniform look.

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.

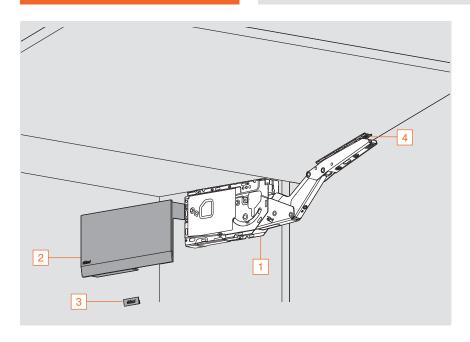
OPC is easily accessible on our website at blum.com/configurator



AVENTOS



AVENTOS HK top Ordering Information for Frameless and Face Frame



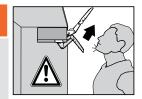
- Self-positioning mechanism with locating template eliminates complicated installation
- Integrated opening angle adjustment between 75° and 107°
- Cabinet height from 250 (10") to 610 (24")
- Interior cabinet depth minimum of 187 (7-3/8")
- Optional: TIP-ON for AVENTOS
- When using a third lift mechanism (a power factor increase of up to 50%), we recommend a trial application.

NOTE: For wide cabinets, we recommend that an additional lift system should be attached to the center panel, to prevent the middle of the front from sagging when open.



Warning: Risk of injury by spring-loaded lever arm!

- Arm has built in safety feature to prevent opening and closing
- Secure lever arm before installing cabinet



Step 1 – Determine the Power Factor for the Application



Power factor = cabinet height (inch) x door weight* (lb)

Determine power factor

To select the correct lift mechanism for a given application, the power factor must first be calculated by using the formula below. Use the table at the bottom of the page to convert ounces into decimal form for easy calculation.

Power factor = cabinet height multiplied by door weight*

Example:

Cabinet height: 20" (within possible range)

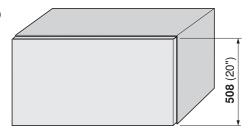
Door weight including twice the handle weight = 13 lb 14 oz (14 oz = .9 lb see chart below)

Power factor = 20 x 13.9 Power factor = 278

A power factor of 278 requires lift mechanism 22K2700

*Including twice the handle weight

NOTE: AVENTOS planning tools available at blum.com/planning



Door weight + twice handle weight = 13 lb 14 oz

Weight conversion chart															
oz	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
lb	.1	.1	.2	.3	.3	.4	.4	.5	.6	.6	.7	.8	.8	.9	.9

AVENTOS HK top Ordering Information





Step 2 – Select the Required Components

Lift mechanism set

Set includes:

- 1 Lift mechanism (qty 2)
- **#**7 x 35 (1-3/8") wood screw (qty 8)

NOTE: Symmetrical with wood screws including positioning template. Max front weight 39 lb for two lift mechanisms.

Power factor range	Opening angle	Part no.
36 – 139	107°	22K2300
80 – 240	107°	22K2500
150 – 450	107°	22K2700
270 – 781	107°	22K2900

Cover set Set includes: NOTE: Light and Dark Gray options available 2 Right and left cover plate 3 Non-handed cover cap (qty 2) Part no. 22K8000.NA Cover set

Wood or wide aluminum door hardware set					
	Set includes:				
	4 Arm assembly mounting plate (qty 2)				
\$1 \$4			Part no.		
		Wood or wide aluminum hardware set	20S4200		
		Installation screw for wood doors	606N or 606P		
		Installation screw for wide aluminum doors	7072A		

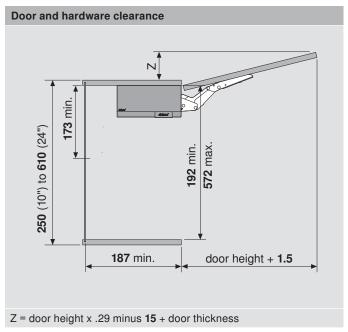
Mounting plate with bracket set			
	Set includes: Mounting plate with bracket (qty 2)	For use with large overlay five-piece doors	
			Part no.
		Mounting plate with bracket set	20S4F01

Face frame mounting bracket set			
	Set includes: Right and left brackets M4 x 30 lift mounting screws (qty 12)	NOTE: See page 18 for more information	
لها لها	(1) (1)	HK top frame mounting bracket set	Part no. 22K6001

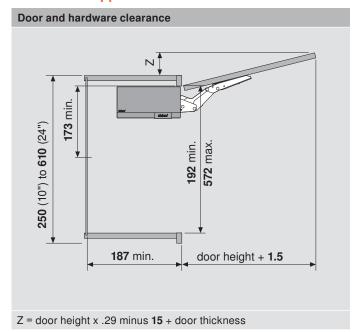


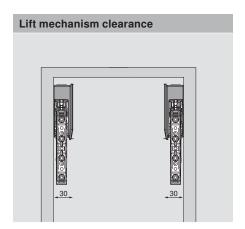
AVENTOS HK top Planning Specifications for Frameless and Face Frame

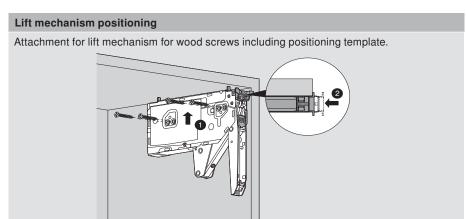
Frameless Application



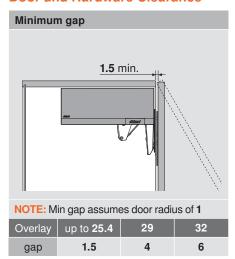
Face Frame Application

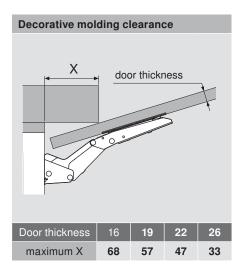


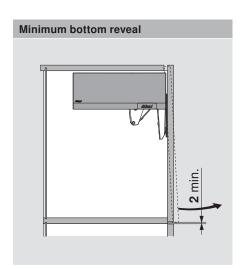




Door and Hardware Clearance







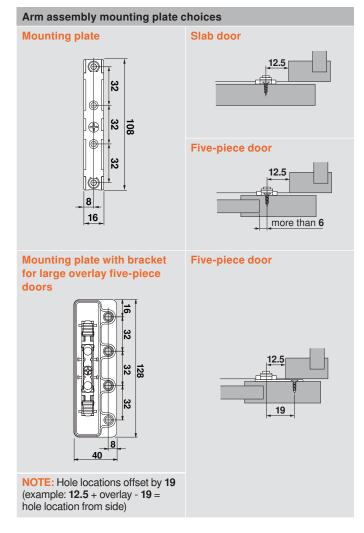
AVENTOS HK top Planning Specifications

AVENTOS



Arm assembly mounting plate location Frameless and face frame applications 12.5 + overlay

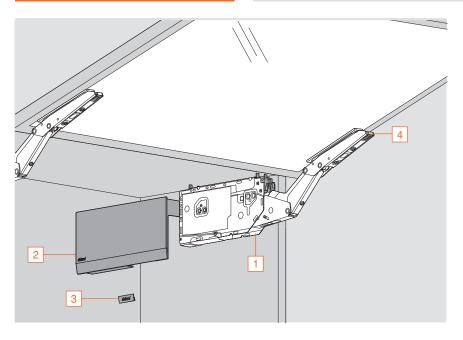
NOTE: Attach mounting plate with four 606N or 606P wood screw for wood doors or 7072A for wide aluminum doors



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AVENTOS HK top Planning Specifications for Narrow Aluminum



- Self-positioning mechanism with locating template eliminates complicated installation
- Integrated opening angle adjustment between 75° and 107°
- Cabinet height from 250 (10") to 610 (24")
- Interior cabinet depth minimum of 187 (7-3/8")
- Optional: TIP-ON for AVENTOS
- When using a third lift mechanism (a power factor increase of up to 50%), we recommend a trial application.

NOTE: For wide cabinets, we recommend that an additional lift system should be attached to the center panel, to prevent the middle of the front from sagging when open.



Warning: Risk of injury by spring-loaded lever arm!

- Arm has built in safety feature to prevent opening and closing
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Step 1 – Determine the Power Factor for the Application



Power factor = cabinet height (inch) x door weight* (lb)

Determine power factor

To select the correct lift mechanism for a given application, the power factor must first be calculated by using the formula below. Use the table at the bottom of the page to convert ounces into decimal form for easy calculation.

Power factor = cabinet height multiplied by door weight*

Example:

Cabinet height: 20" (within possible range)

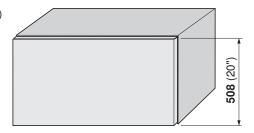
Door weight including twice the handle weight = 13 lb 14 oz (14 oz = .9 lb see chart below)

Power factor = 20×13.9 Power factor = 278

A power factor of 278 requires lift mechanism 22K2700

*Including twice the handle weight

NOTE: AVENTOS planning tools available at blum.com/planning



Door weight + twice handle weight = 13 lb 14 oz

Weight conversion chart															
oz	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
lb	.1	.1	.2	.3	.3	.4	.4	.5	.6	.6	.7	.8	.8	.9	.9

AVENTOS HK top Ordering Information





Step 2 – Select the Required Components

Lift mechanism set Set includes: NOTE: Symmetrical with wood screws including positioning template. Max front weight 39 lb for two lift mechanisms. 1 Lift mechanism (qty 2) #7 x **35** (1-3/8") wood screw (qty 8) Opening angle Part no. Power factor range 36 - 139107° 22K2300 22K2500 80 - 240107° 22K2700 150 - 450 107° 270 - 781107° 22K2900

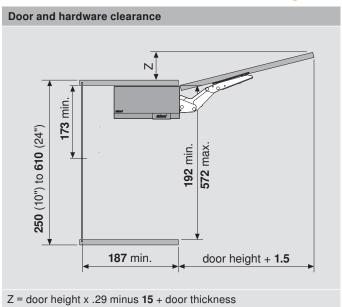
Cover set			
	Set includes: 2 Right and left cover plate 3 Non-handed cover cap (qty 2)	NOTE: Light and Dark Gray options available	
<u>and</u>			Part no.
		Cover set	22K8000.NA

Narrow aluminum door hardware	set		
	Set includes: 4 Arm assembly mounting plate (qty 2) 699.110 – Aluminum screw for narrow aluminum lever arm		Part no.
•	mounting plate (qty 8)	Narrow aluminum door hardware set	20S4200A

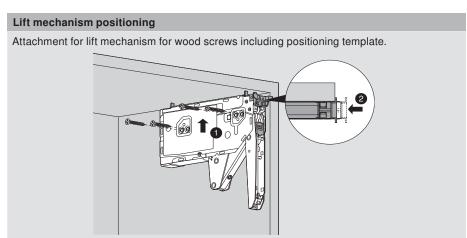


AVENTOS HK top Planning Specifications for Narrow Aluminum

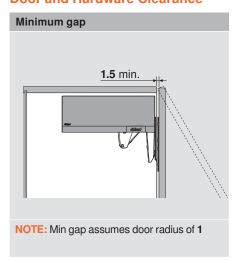
Door and Hardware Clearance and Positioning

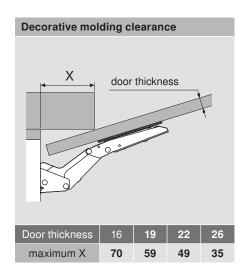


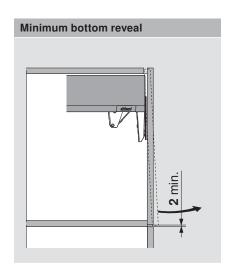




Door and Hardware Clearance



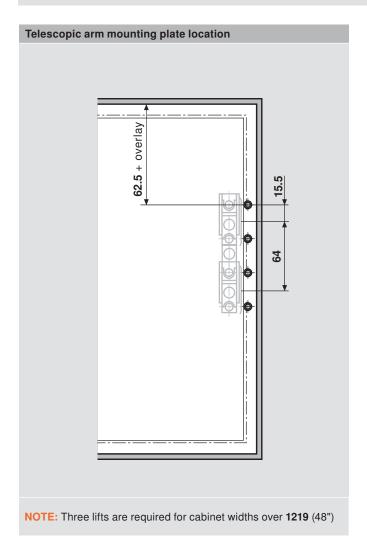


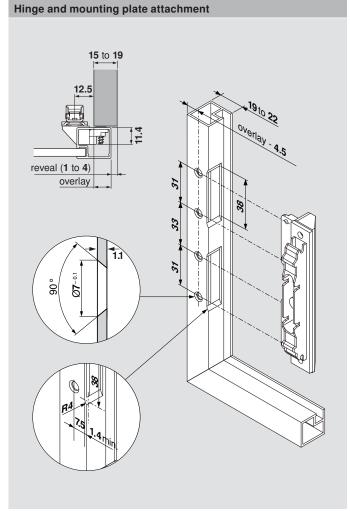


AVENTOS HK top Planning Specifications

AVENTOS





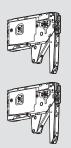


Follow the assembly instructions on page 16



AVENTOS HK top Ordering Information for TIP-ON

Lift mechanism set



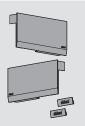
Set includes:

- Lift mechanism (qty 2)
- #7 x 35 mm (1-3/8") wood screw (qty 8)

NOTE: Symmetrical with wood screws including positioning template. Max front weight 39 lb for two lift mechanisms.

Power factor	Opening angle	Part no.
36 – 139	107°	22K2300T
80 - 240	107°	22K2500T
150 – 450	100°	22K2700T
270 - 781	100°	22K2900T

Cover set



Set includes:

- Right and left cover plate
- Non-handed cover cap (qty 2)

NOTE: Light and Dark Gray options available.

Narrow aluminum door hardware set

Part no.

20S4200A

Cover set 22K8000.NA

Wood or wide aluminum door hardware set



Set includes:

Arm assembly mounting plate (qty 2)

Part no.

Wood or wide aluminum hardware set

20S4200
Installation screw for wood doors
Installation screw for wide aluminum doors

7072A

NOTE: Refer to pages 8-9 for installation specifications

Narrow aluminum door hardware set



Set includes:

- Arm assembly mounting plate (qty 2)
- 669.110 aluminum screw for narrow aluminum lever arm mounting plate (qty 8)

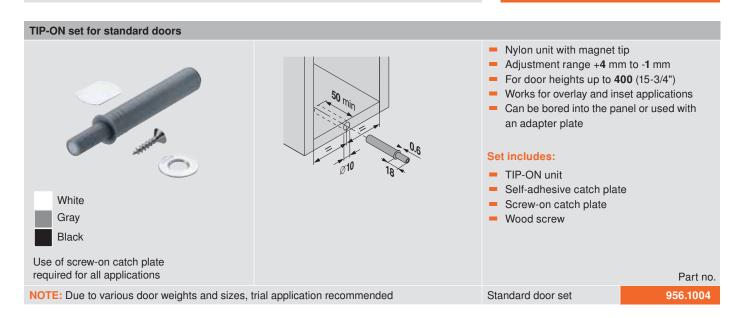
Part no.

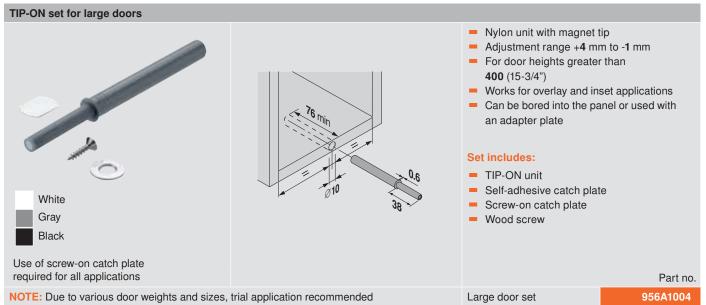
NOTE: Refer to pages 12-13 for installation specifications

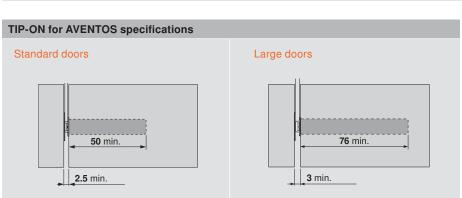
AVENTOS HK top Ordering Information for TIP-ON

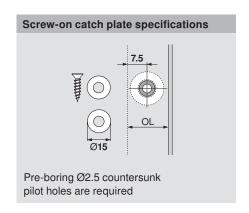
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For TIP-ON adapter plate mounting please refer to the Concealed hinges brochure.

AVENTOS HK top Assembly



Remove positioning template Slowly raise the arm to the upright position. 1 Push the setback template down to remove.

Attaching AVENTOS HK top doors Attach the door using the CLIP mechanism to the arm assembly.

Adjust the lift mechanism Use a screw gun and a #2 x 2 TORX driver bit to adjust the lift mechanism to the desired tension (door weight balanced).



- Arm has built in safety feature to prevent opening and closing
- Secure lever arm before installing cabinet



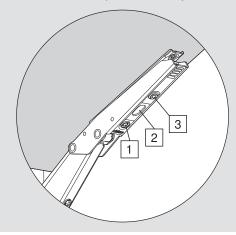
AVENTOS HK top Adjustments

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AVENTOS HK top door adjustment

Use a TORX screwdriver to perform cam adjustments for each of the three-dimensional door adjustments.



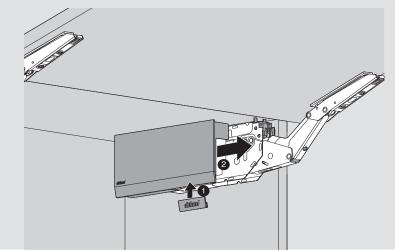




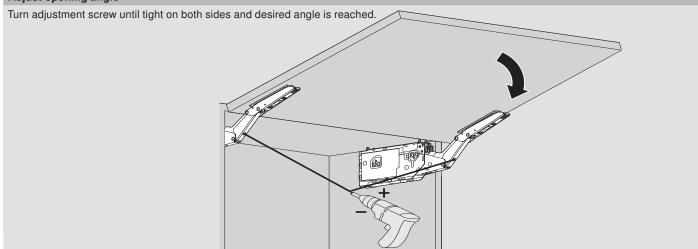


Attaching cover caps

Place the left and right cover plates over the appropriate lift mechanisms, and snap them in place.



Adjust opening angle



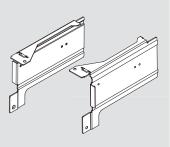
NOTE: Adjustments can be made with the cap on

Face Frame Mounting Brackets



AVENTOS HK top face frame mounting bracket set

- Brackets for mounting AVENTOS HK top in face frame cabinet
- Minimum recess of 12.5 (1/2")
- Provides accurate mounting position for lift mechanism



Set includes:

- Right and left brackets
- M4 x 30 lift mounting screws (qty 12)

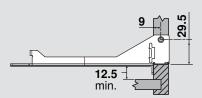
Part no.

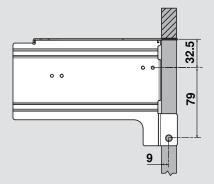
HK top frame mounting bracket set

22K6001

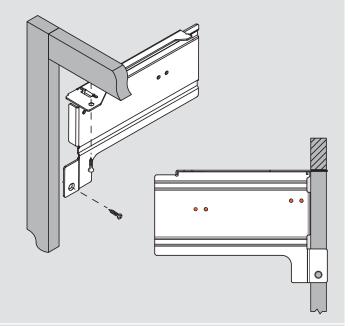
AVENTOS HK top face frame bracket mounting locations

Due to mounting bracket position, the door mounting plate will need to be moved 1.5 lower on the door to maintain proper mounting position. Fixed setback allowing for up to 25.4 top overlay.





Attach bracket to face frame with two #7 x 3/4" (7074N) wood screws. Attach lift mechanism to bracket with four M4 x 30 machine screws (included).



NOTE: Machine screw mounting locations marked in orange

Assembly Aids

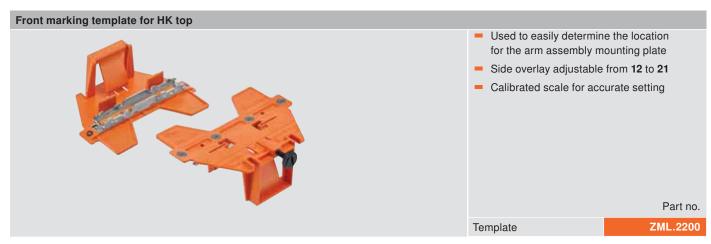
AVENTOS

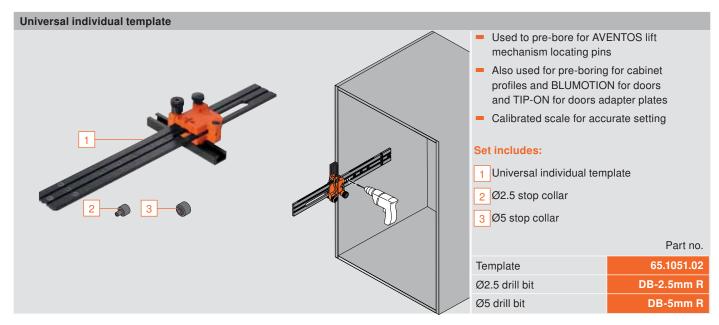










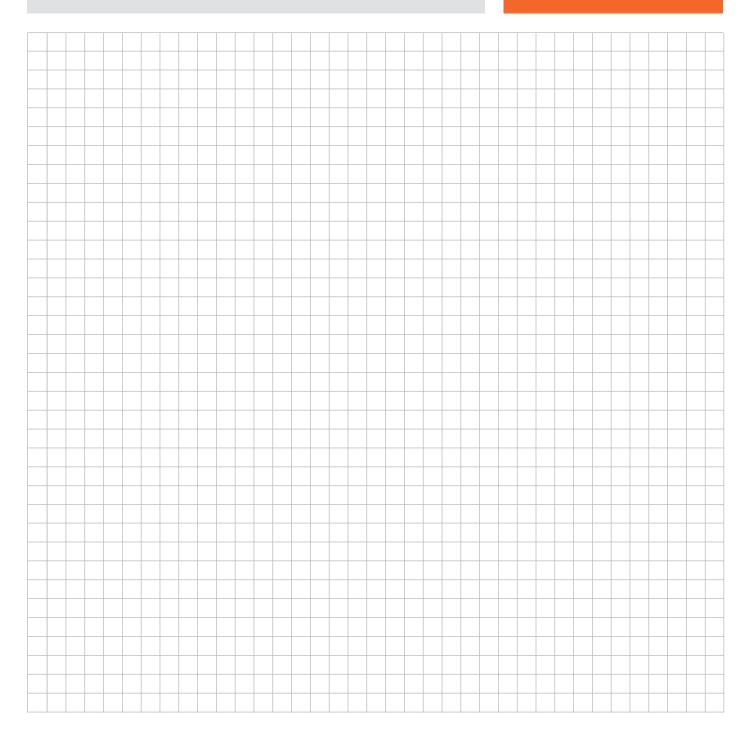




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Find us by searching "Blum Inc" in the search bar.









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, 50+ 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.

Blum, Inc. 7733 Old Plank Rd. Stanley, NC 28164 800-438-6788 blum com





