8 mm

Thin fronts, easily assembled

The first fixing system for thin fronts for lift systems, doors and pull-outs



www.blum.com

Rediscover simplicity

Minimalist design creates room for inspiration. Broaden the range of possibilities for implementing trends in kitchen manufacturing. The first fixing system for thin fronts for lift systems, doors, drawers and pull-outs makes minimalist cabinetry design simple.





Easily implemented: three applications

We have developed a fixing system that you can use to implement a total of three applications: lift systems, doors and pull-outs. Cabinetry impresses with thin fronts and proven Blum functionality – in all living areas.



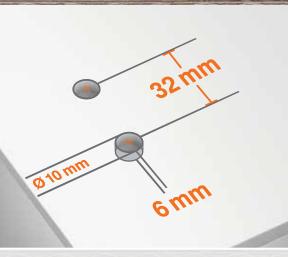




An easily assembled system

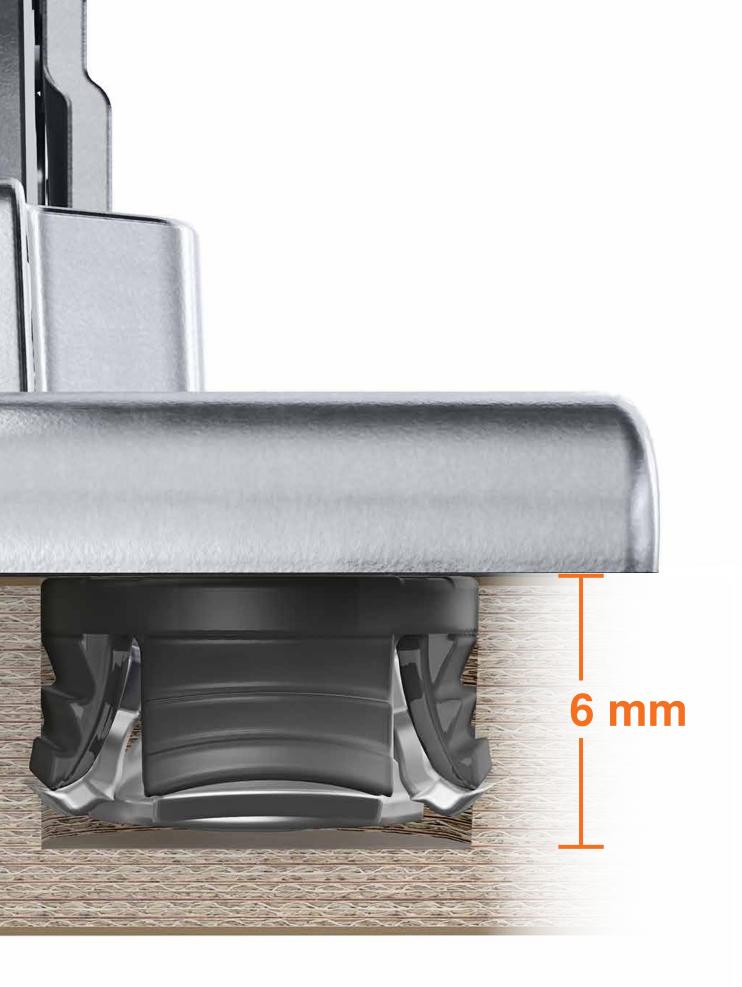
Our new products for thin fronts are based on EXPANDO T. A steel pull-in anchor ensures a secure fit for harder materials while plastic jaws secure the fit for softer materials. EXPANDO T is fixed in a drilling with a diameter of 10 mm and a drilling depth of just 6 mm.





Assembly without boss drilling

EXPANDO T is fastened in a drilling with a diameter of 10 mm and a drilling depth of just 6 mm. There is no need for any boss drilling – which is a major plus when using hard materials.



Assembly made easy

Lift system, door and pull-out – with the new fixing system all cabinetry with thin fronts will have one thing in common: assembly and adjustment are simple and convenient. Drill, insert, secure with screws, and that's it.







With the new fixing mechanism from CLIP top BLUMOTION for thin doors, we have succeeded in integrating the BLUMOTION functionality into hinges – without any need for a hinge boss. Cabinetry with inner pull-outs can be implemented with this hinge because of zero-protrusion. Chosen lift system types – AVENTOS HK top, HS and HL – can be implemented with the fixing system for thin fronts – with an unchanged fixing position.

The narrow design of LEGRABOX drawers and pullouts is accentuated to full effect. Because of identical fixing positions it takes very little time to assemble the front.

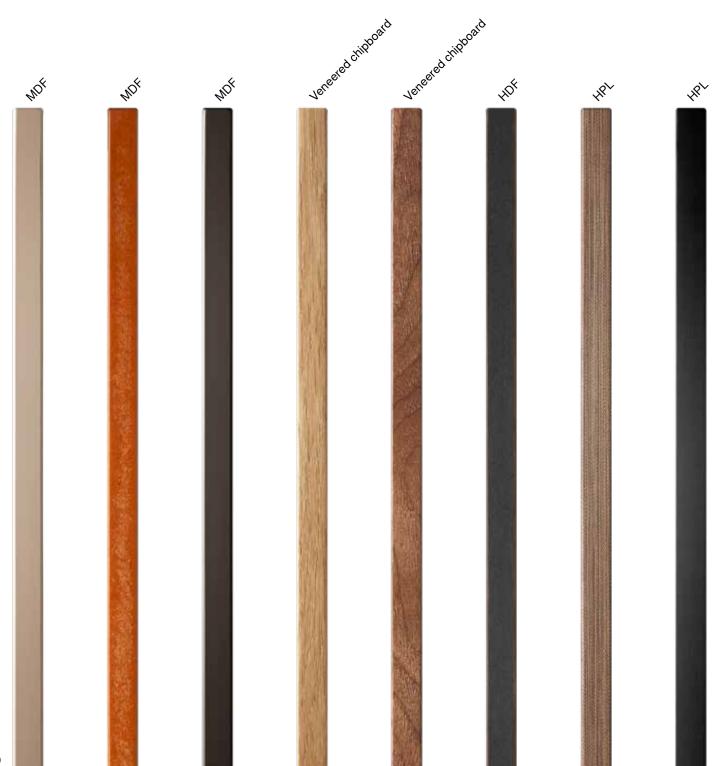




Easily combined materials

Our fixing system EXPANDO T for thin fronts from 8 mm is suitable for many materials and even allows for exceptional design ideas. Surprise your customers with customised cabinetry.

Ablum









CLIP top BLUMOTION for thin doors EXPANDO T for hinged doors with materials 8-14 mm



CLIP top BLUMOTION for thin doors Zero-protrusion allowing for inner drawers and pull-outs





AVENTOS HS

Luch

EXPANDO T fixing system for overhead cabinets with thin front materials.



An easily available range

A single fixing system for three applications with thin fronts makes product selection and ordering significantly easier. Implement different lift system types, LEGRABOX pull-outs with different heights as well as conventional door applications – with few components.





- Fixing system EXPANDO T pre-assembled
- for various materials
- for fronts of 8 mm or thicker
- for 3 different applications (lift systems, doors, pull-outs)

Order Specification

Lift systems



Hinge systems

CLIP top BLUMOTION for thin doors



For planning information see pages 20 - 21.

Box systems

LEGRABOX from	LEGRABOX front fixing bracket										
	М	ZF7M70T2									
· ·	к	ZF7K70T2									
	Standard Blum LEGRABOX fixing positio	ns apply									

Other

EXPANDO T – single

	70T4532T

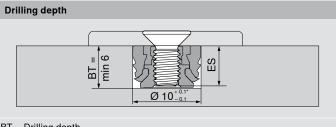
Special drill bits

EXPANDO T - D	EXPANDO T - Drill bits for mineral composites and HPL										
	L/H ø10mm Red, 57mm length	M01.ZB10.T3									
	R/H ø10mm Black, 57mm length	M01.ZB10.T2									

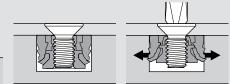
Planning

EXPANDO T





Assembly of EXPANDO T



BT Drilling depth

ES Screw penetration depth

ES min = 4 mm, ES max = BT - 0.5 mm

* For stone and ceramic +0.2/-0.1 mm

Screws with M4 thread have to be used for EXPANDO T single.

Area of application and assembly recommendation									
Materials tested by Blum	Minimum tightening torque (Nm)								
Chipboard (transverse tensile strength > 0.4 N/mm ²)	1.5								
MDF (transverse tensile strength > 0.6 N/mm ²)	1.5								
HDF	2								
HPL	2								
Mineral composites	2								
Granite stone – Nero Assoluto	3								
Artificial stone – quartz composite	3								
Ceramic plates	3								

EXPANDO T is suitable for fixing Blum fittings to thin front materials. With sufficient stability and strength, front materials of 8 mm and thicker may be used.

Further information

Visit blum.com to learn more about our new EXPANDO T fixing system for doors, lift systems and pull-outs.

Disclaimer of liability

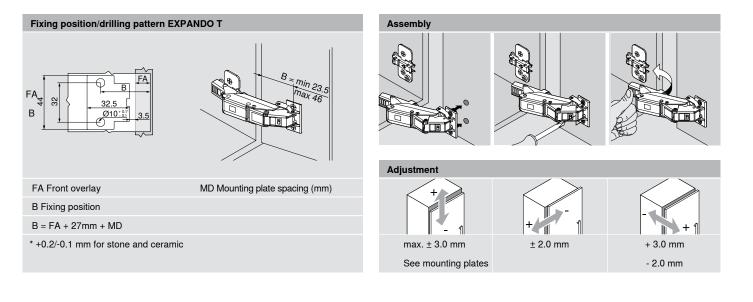
Blum accepts no liability for the use of EXPANDO T in combination with materials not listed or fittings from other manufacturers. It is recommended that the assembly be carried out by an experienced furniture manufacturer.

CLIP top BLUMOTION Planning 110° for thin doors **Ablum Overlay application Dual application** Inset application max max 56.5 max 56.5 56.5 75.5 75.5 1 1.5 S 1.5 F 3.5 3.5 23.5-23.5 - 25.5 23.5-46 46 Mounting plate fixing position set back by door thickness + 1.5mm

Hinge dimensions and gap calculation based on factory setting (mounting plate spacing = 0 mm)

Fix	Fixing position												Mounting plate distance for cabinet/door thickness														
0	Front overlay FA (mm)														Door th	ickness	(mm)										
QW	-3.5	-3	-2.5	-2	-1.5	-1	2.5	4	5.5	7	8.5	10	11.5	13	14.5	16	17.5	19	<u> </u>		8	9	10	11	12	13	14
0	23.5	24	24.5	25	25.5	26	29.5	31	32.5	34	35.5	37	38.5	40	41.5	43	44.5	46	s par	15							
3	26.5	27	27.5	28	28.5	29	32.5	34	35.5	37	38.5	40	41.5	43	44.5	46			side knes mm)	16							
6	29.5	30	30.5	31	31.5	32	35.5	37	38.5	40	41.5	43	44.5	46					et side icknet (mm)	17							
9	32.5	33	33.5	34	34.5	35	38.5	40	41.5	43	44.5	46							₽ ä	18							
MD		Mou	nting	olate	spaci	ng (n	nm)												Cabinet thic	19							
The	minin	num	gap is	alw	ays 0	mm.														20							

MD 0 mm possible MD 3 mm required MD 6 mm required



Planning angled applications

-5°

Angled spacer

Nº 109

5°

Nº 115

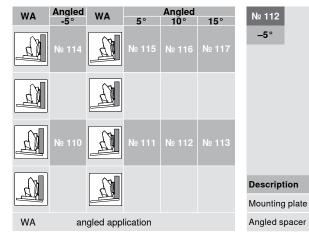
15°

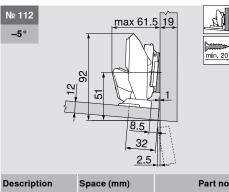
CLIP top BLUMOTION 110° for thin doors



<u>d</u>

min. 20





0

-5°

<u>d</u>

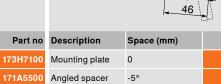
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min. 20

A

Nº 108

-5°



78.5

37

20

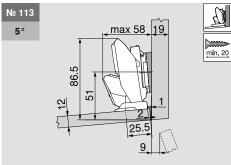
		(T).2
otion	Space (mm)	Part no
g plate	0	173H7100
spacer	-5°	171 A 5500

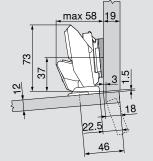
22.5

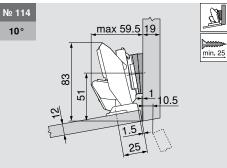
max 61.5 19

5 - 2

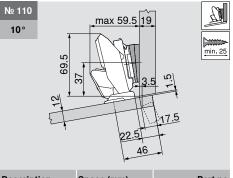
13

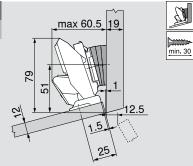


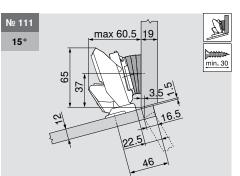




Description	Space (mm)	Part no	Description	Space (mm)	Part no	Description	Space (mm)	Part no
Mounting plate	0	173H7100	Mounting plate	0	173H7100	Mounting plate	0	173H7100
Angled spacer	+5°	171A5010	Angled spacer	+5°	171A5010	Angled spacer	+5° x 2	171A5010







Description	Space (mm)	Part no	Description	Space (mm)	Part no	Description	Space (mm)	Part no
Mounting plate	0	173H7100	Mounting plate	0	173H7100	Mounting plate	0	173H7100
Angled spacer	+5° x 2	171A5010	Angled spacer	+5° x 3	171A5010	Angled spacer	+5° x 3	171A5010

The company Blum

Founded over 60 years ago by Julius Blum, Blum is a family-owned company that operates on an international scale. Its strategic business segments include lift, hinge and pull-out systems. All our product developments focus on perfecting motion.

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Ablum

Blum in Austria and around the world

The company has eight plants in Vorarlberg, Austria, additional production sites in Poland, the USA and Brazil and 31 subsidiaries/representative offices. Blum supplies more than 120 markets. The Blum Group employs 8,000 people in total, 6,000 of whom work in Vorarlberg.



Global customer benefits

"Whether manufacturer, distributor, fitter or kitchen user – everybody should personally enjoy the benefits of Blum products" – that is Blum's philosophy on global customer benefits.



Innovations

To support customers with innovative fittings solutions and secure long-term success for the company, we need to consistently invest in research and development, in plants and facilities and in employee training. With more than 2,100 granted patents worldwide, Blum is one of Austria's most innovative companies.







Quality

Blum's comprehensive concept of quality does not only apply to products. Services and collaboration with customers and partners should also meet the same quality requirements.





At Blum, we believe that responsible ecological behaviour has long-term economic benefits. The longevity of products is just one of many important aspects. Other important measures include the use of environmentally friendly processes, the intelligent use of materials and prudent energy management.





DYNAMIC SPACE

Good workflows, optimum use of storage space and top quality motion are important features of a practical kitchen. Blum's ideas for practical kitchens are designed to bring function, convenience and ergonomics to furniture interiors. Blum New Zealand Ltd 621 Rosebank Road, Avondale Auckland 1026 New Zealand Phone: 09 820-5051 E-mail: info.nz@blum.com

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