

8 mm



Thin fronts, easily assembled

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

www.blum.com

 **blum**®

Rediscover simplicity

Minimalist design creates room for inspiration. Broaden the range of your possibilities for implementing trends in furniture manufacturing.

The first fixing system for thin fronts for lift systems, doors and pull-outs makes minimalist furniture design simple.

 **blum**





reddot award 2018
winner



➤ Detailed information
on the awards:
www.blum.com/award

Easily implemented: three applications

To make it as easy as possible for you we have developed a fixing system that you can use to implement a total of three applications: lift systems, doors and pull-outs. Furniture 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.





6 mm


Assembly made easy

Lift system, door and pull-out – with the new fixing system all furniture 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.


EXPANDO T is also available as an individual dowel for other applications.



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. Furniture with inner pull-outs can be implemented with this hinge because of 0-protrusion.



Chosen lift system types –
AVENTOS HS, HL and HK top –
can be implemented with the fix-
ing system for thin fronts – with
an unchanged fixing position.



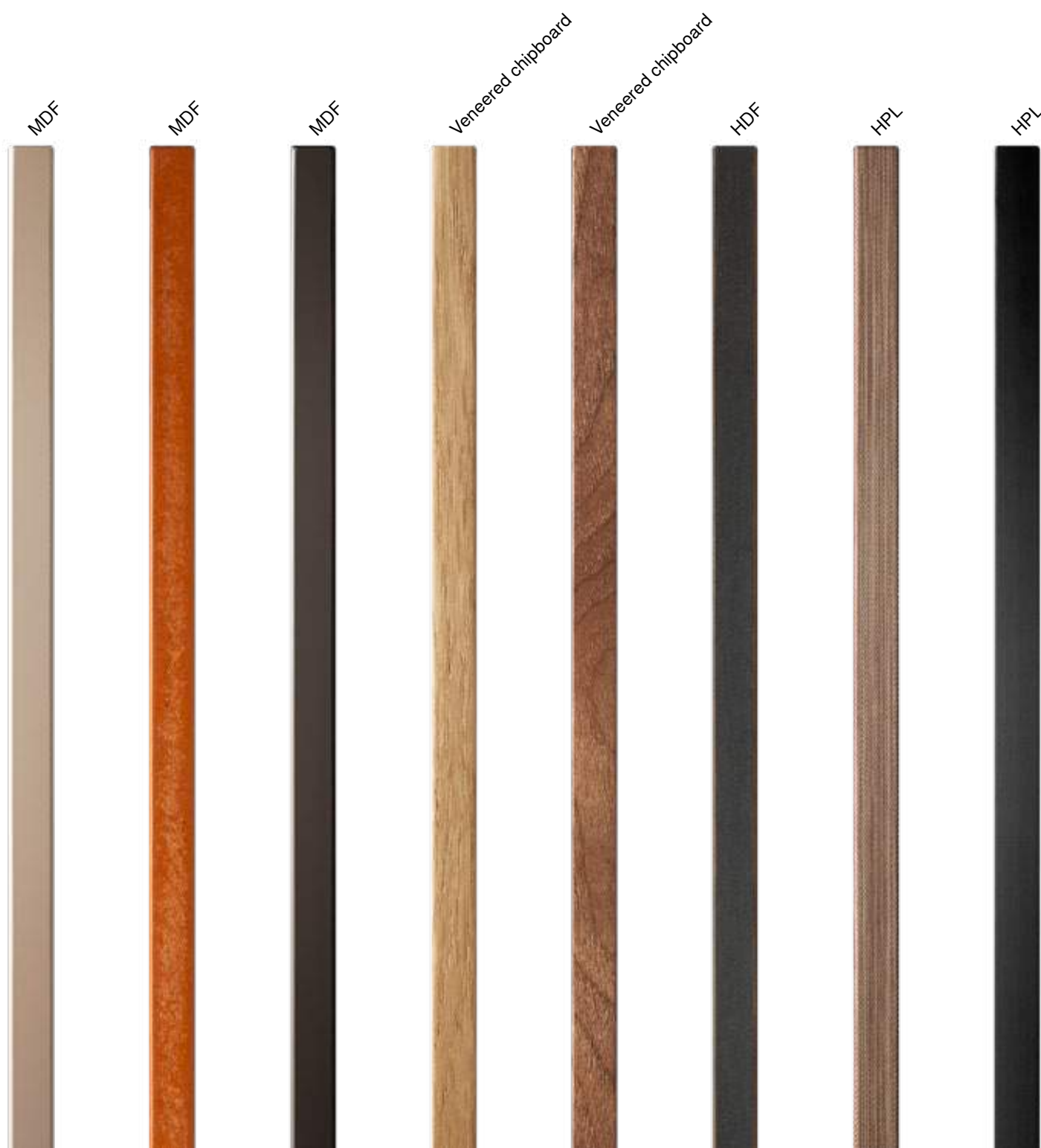
The narrow design of
LEGRABOX drawers and pull-
outs is accentuated to full effect.
Because of identical fixing
positions it takes very little time
to assemble the front.



 **blum**[®]

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 furniture.



Mineral composite



Mineral composite



Concrete



Quartz composite



Natural stone



Cement fibre board



Ceramic



Ceramic







HDF







Veneered chipboard

MDF











HPL







Ceramic











Ceramic



MDF






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 fronts of 8 mm or thicker
- for various front materials
- for 3 different applications (lift systems, doors, pull-outs)


Lift systems


AVENTOS front fixing bracket			
			
	for HS, HL and HK top		20S42T1
	Fixing positions according to the Blum catalogue		

Box systems

LEGRABOX front fixing bracket		
	Height	
	N	ZF7N70T2
	M	ZF7M70T2
	K	ZF7K70T2
	C	ZF7C70T2
	Fixing positions according to the Blum catalogue	

Hinge systems

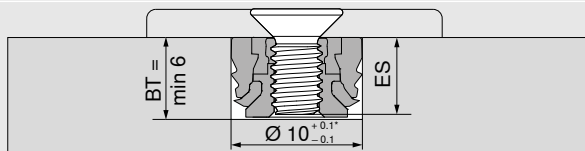
CLIP top BLUMOTION for thin doors				
	Hinge	Spring	Colour	Part number
	CLIP top BLUMOTION	●	NI ONS	71B453T
	CLIP top	●	NI	71T453T
	CLIP top	○	NI	70T453T.TL
	● With spring		NI	Nickel plated
	○ Unsprung		ONS	Onyx black
	For planning information see hinge brochure			

LEGRABOX front/base stabiliser		
	cabinet width of 601 mm or greater 1 x	
	cabinet width of 901 mm or greater 2 x front height of 381 mm or greater 1 x	Z96.00T1

Other products

EXPANDO T – single		
		
		70T4532T

Drilling depth

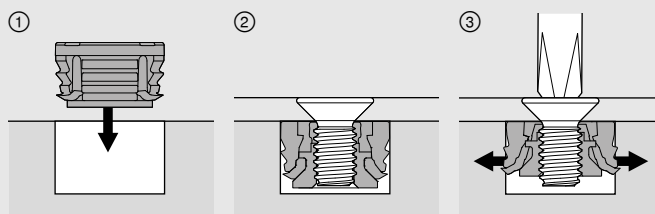


Screws with M4 thread have to be used for EXPANDO T single.

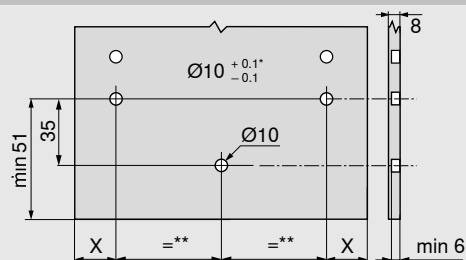
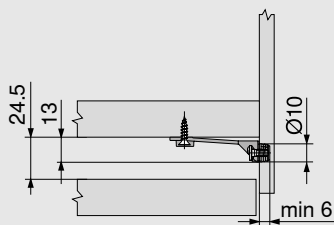
The lowest possible drilling depth should be selected for the single dowel, depending on the screw length

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

Assembly of EXPANDO T



Space requirement and drilling pattern for LEGRABOX front/base stabiliser



$$X = 14 + FA$$

FA	Front overlay
	* For stone and ceramic +0.2/-0.1mm
	** min 80

EXPANDO T area of application

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

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

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.

Further information

Learn more about our new EXPANDO T fixing system for doors, lift systems and pull-outs.




www.blum.com/EXPANDO_T_3

Support is simple with our services

You can implement individual design ideas, and the best way to do this is with the right support directly from the fittings manufacturer. We will show you how to efficiently plan, design, produce, install and market furniture with thin fronts. Available online 24/7 and, of course, in person.





Any questions about our new fixing system for thin furniture fronts?

Then please do not hesitate to contact us. You will find your personal Blum contact at www.blum.com/contact

E-SERVICES offers you comprehensive information about more than just the new fixing system – in other words, it provides all inclusive support to make your life easier.

Login details are required in order to take full advantage of all our services. Register at www.blum.com/e-services

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.

www.blum.com





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 32 subsidiaries/representative offices. Blum supplies more than 120 markets. The Blum Group employs 8,300 people in total, 6,200 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.



Environment

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.

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Our sites in Austria, Poland and China are certified to the international standards mentioned below.
Our site in the USA is certified to ISO 9001.
Our site in Brazil is certified to ISO 9001 and ISO 14001.



ISO 9001
Certified Quality
System



ISO 14001
Certified Environmental
System



ISO 50001
Certified Energy
System



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products

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