

## Solutions for Thin Fronts

Attachment system available for doors,  
lift systems and drawers

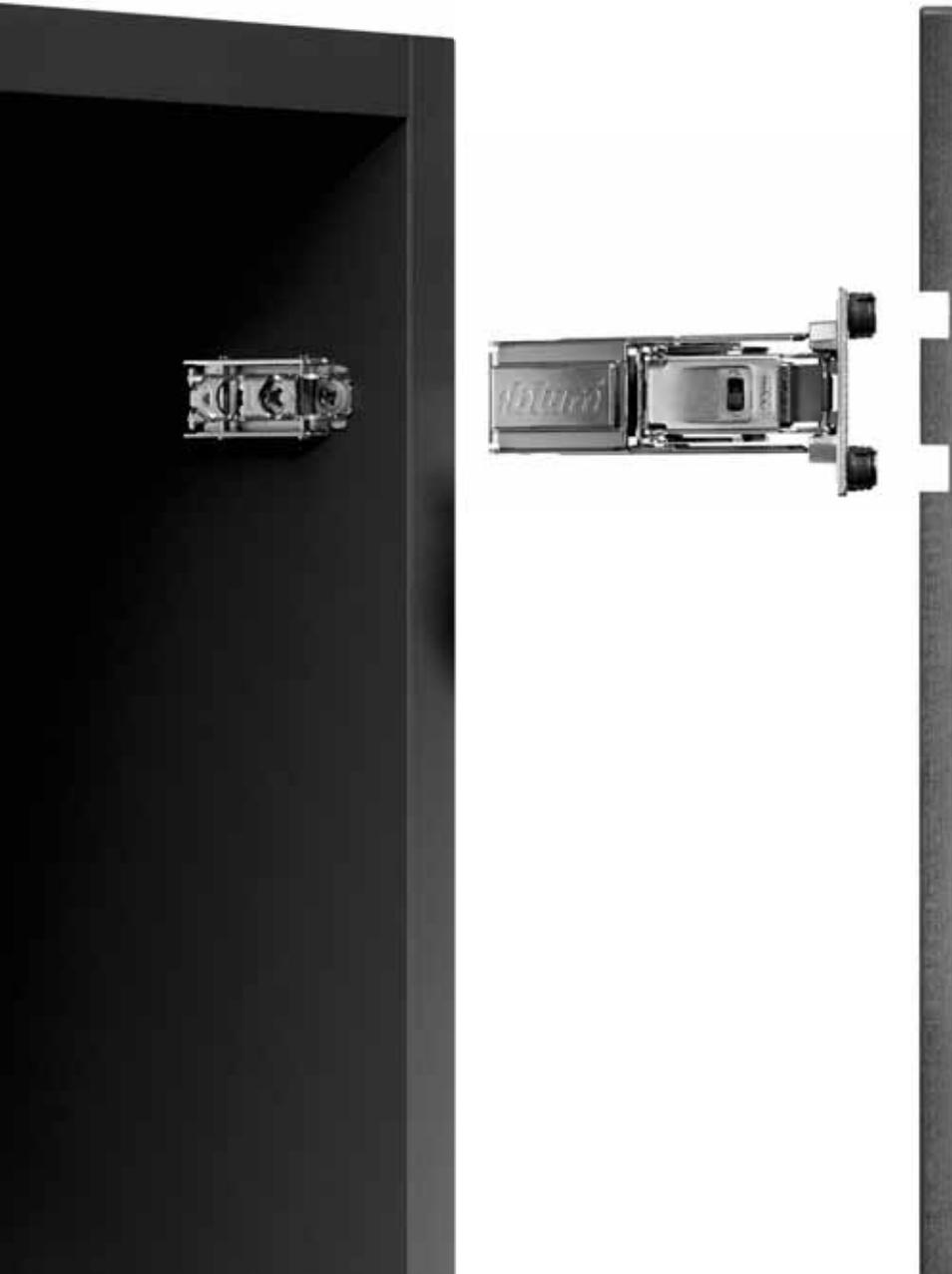
[blum.com](https://blum.com)

 **blum**<sup>®</sup>

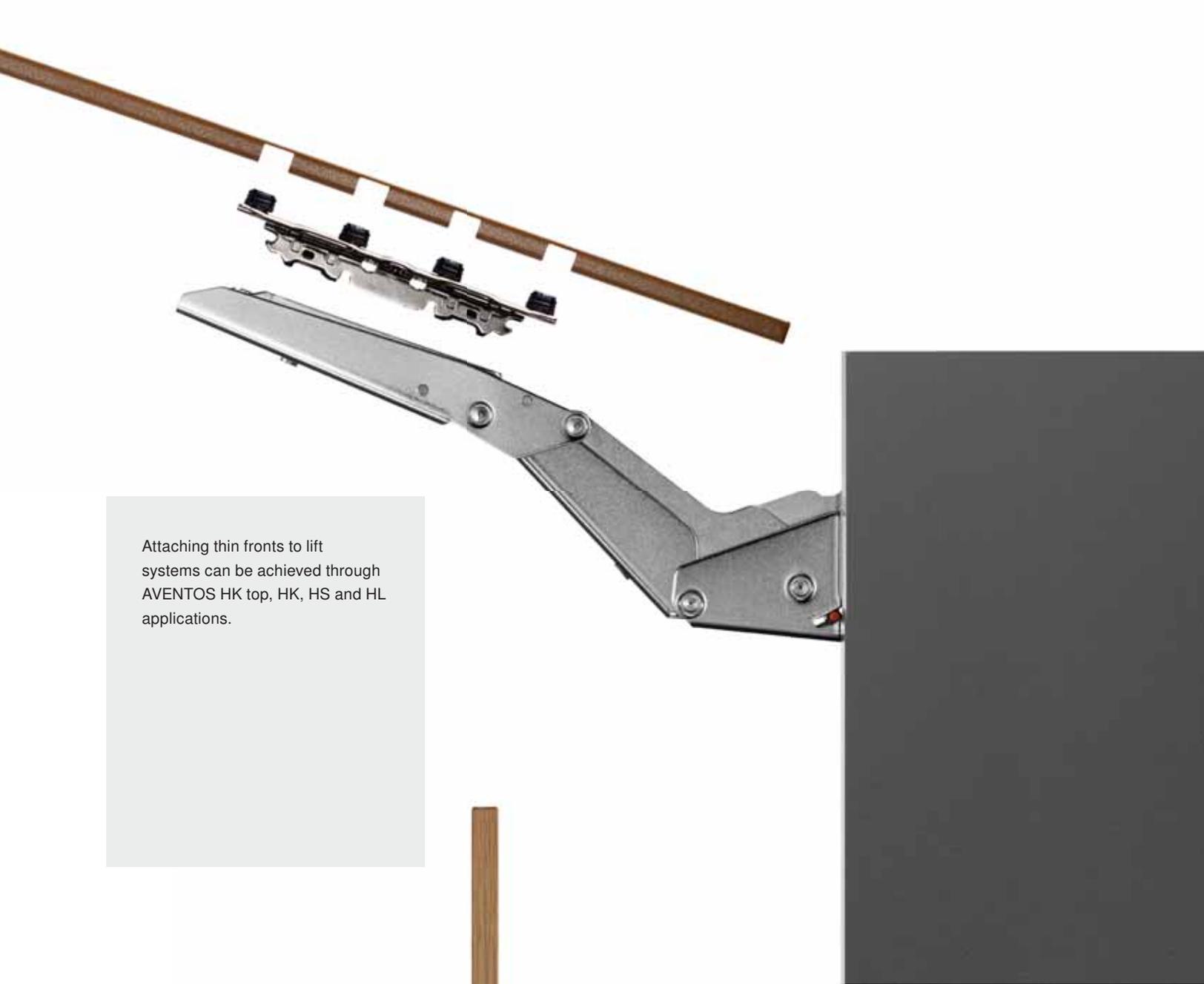
# Available in Three Applications

Sometimes, mixing materials and textures is the magic that brings a design to life. Now, you can give cabinets unexpected flavor with thin materials for fronts. Available in three applications, you can make a statement by accenting or implementing thin fronts for an entire kitchen.

 **blum**<sup>®</sup>



The revolutionary design for CLIP top BLUMOTION for thin doors was reimagined from the inside out. Our soft close technology has been integrated into the hinge, eliminating the need for a hinge cup. With a 110° opening angle and zero protrusion, this solution can work for a variety of applications.



Attaching thin fronts to lift systems can be achieved through AVENTOS HK top, HK, HS and HL applications.

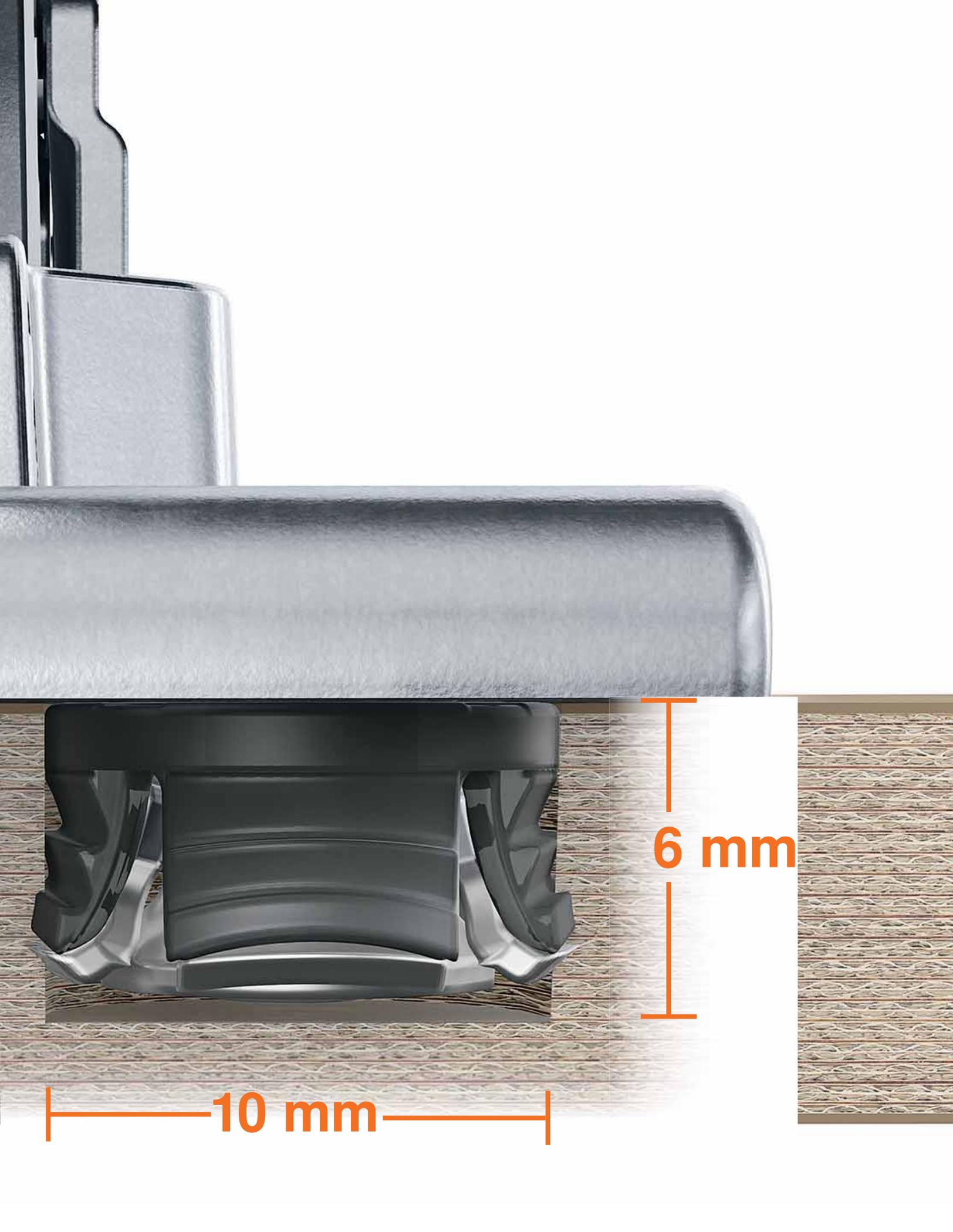


The slim design of LEGRABOX can now be mirrored in the drawer front. Using the same installation pattern, LEGRABOX with thin fronts takes very little time to assemble.

# An Easily Assembled System

Our new attachment system for thin fronts is based on EXPANDO T technology. A steel pull-in anchor ensures a secure fit for harder materials, while plastic jaws secure the fit for softer materials. Assembly is simple — drill, insert and secure the screws. With sufficient stability and strength, front materials of 8-14 mm may be used.

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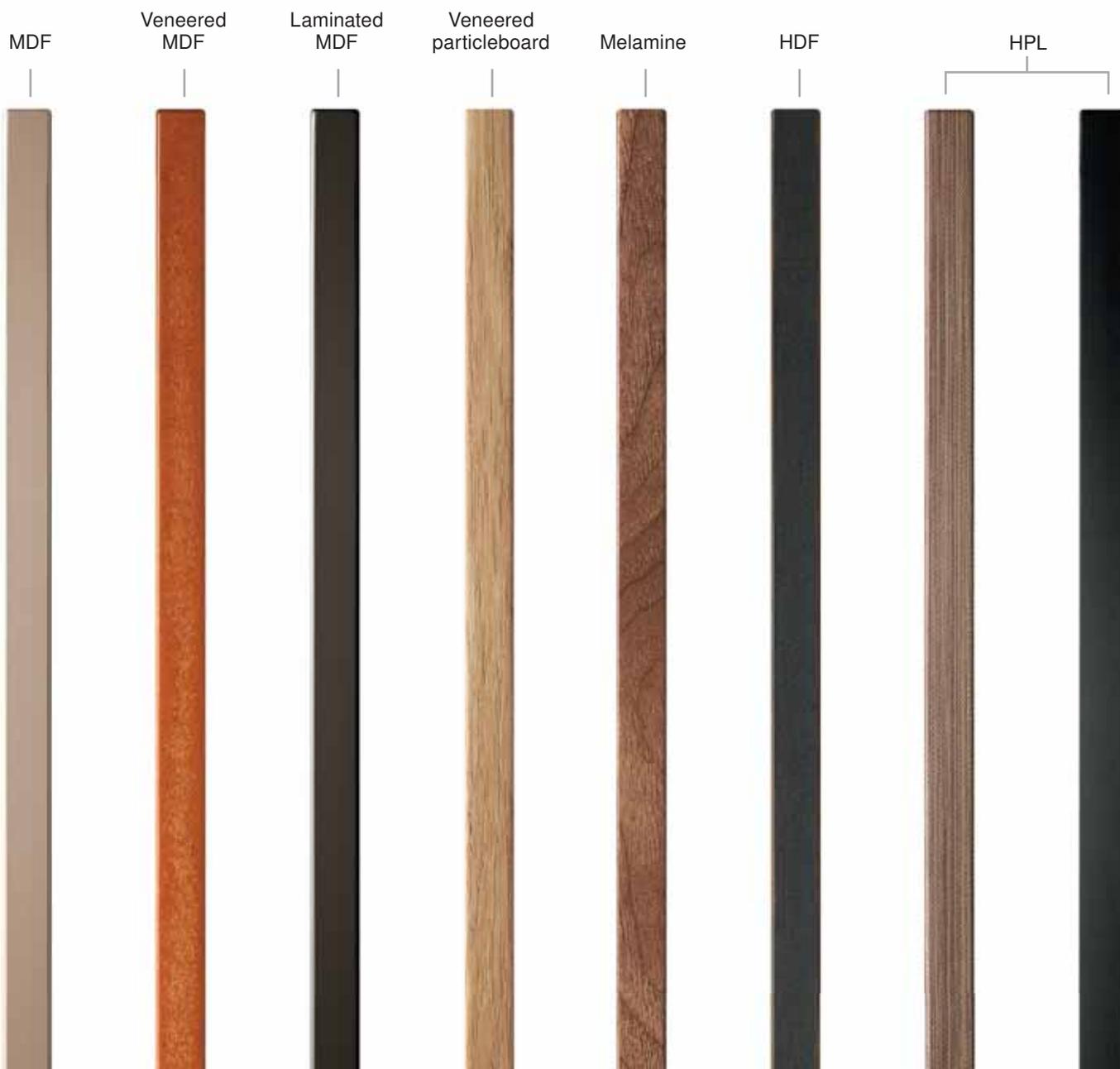


10 mm

6 mm

# Easily Combine Materials

The only limit for cabinet materials is your imagination with Blum's thin door technology. Suitable for fronts from 8-14 mm, the thin door attachment is strong enough for heavier stones while still being suitable for softer materials. Bring your ideas to life using a wide range of materials.



Solid surface



Mineral composite



Concrete



Quartz composite



Natural stone



Cement fiberboard



Ceramic



## Solutions for thin fronts



## Order Specification



- 110° opening angle
- Integrated BLUMOTION available
- Deactivation for small/light doors available
- Zero protrusion
- Overload safety feature
- Compatible with existing CLIP mounting plates
- Angle restriction clips available (85°/92°)
- Hinge arm and cup cover caps available

### Hinge Systems

| Hinges for thin doors   |                                 |            |
|---|---------------------------------|------------|
|   | Hinges                          | Part no.   |
|  | CLIP top BLUMOTION (Soft close) | 71B453T    |
|   | CLIP top (Self close)           | 71T453T    |
|   | CLIP top (Free swing)           | 70T453T.TL |
| For planning information see hinge brochure   |                                 |            |

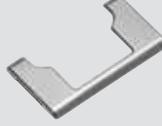
### Area of application

Blum's thin front solution is suitable for attaching Blum hardware to thin front materials in cabinet manufacturing. With sufficient stability and strength, front materials of **8-14** (5/16" - 9/16") may be used.

### Disclaimer of liability

Blum accepts no liability for the use of the thin front attachment system in combination with materials not listed or hardware from other manufacturers. It is recommended that the assembly be carried out by an experienced cabinet manufacturer.

### Accessories

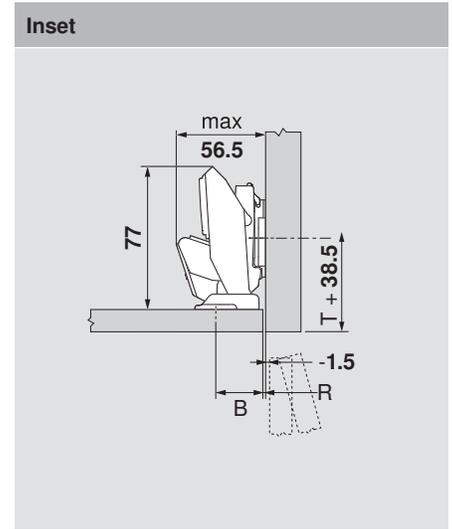
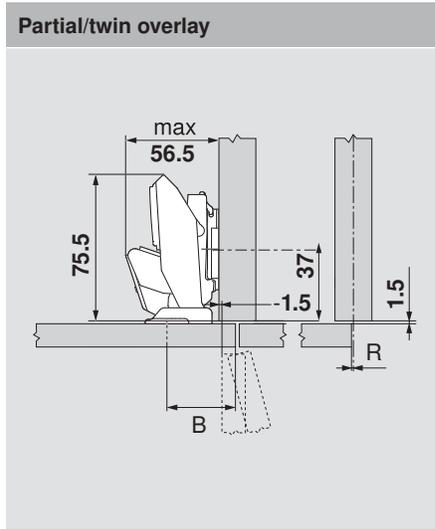
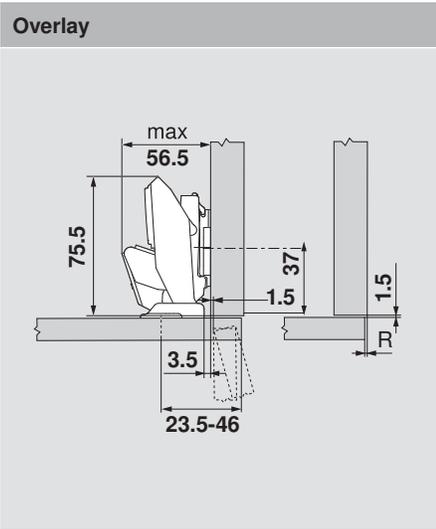
| Hinge arm cover cap  |          | Hinge cup cover cap  |          |
|--|----------|--|----------|
|  | Part no. |  | Part no. |
|  | 70.4503  |  | 70T4504  |

### Angle restriction clips

|  |   |
|--|---|
| 85° (Dark gray)  | 92° (Dust gray)   |
|  |  |
| Part no.   | Part no.  |
| 70T4503  | 70T4503.09  |

### Area of application and assembly recommendations

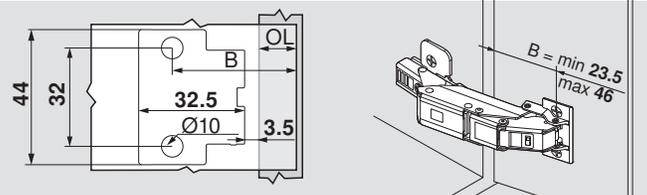
| Materials tested by Blum   | Min. tightening torque (Nm) |
|--|-----------------------------|
| Particleboard (transverse tensile strength > 0.4 N/mm <sup>2</sup> ) | 1.5                         |
| MDF (transverse tensile strength > 0.6 N/mm <sup>2</sup> )           | 1.5                         |
| HDF  | 2                           |
| HPL  | 2                           |
| Mineral composites   | 2                           |
| Granite stone  | 3                           |
| Quartz composite artificial stone                                    | 3                           |
| Ceramic plates   | 3                           |



| H | Overlay             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | P  | S                   |      |
|---|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|------|
| 0 | 1                   | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | -1.5                | 56.5 |
|   | 28                  | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | Fixed distance = 27 |      |
|   | B = Boring distance |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |

| H | Inset reveal        |    |      |    |      |    |      | P                   | S    |
|---|---------------------|----|------|----|------|----|------|---------------------|------|
| 0 | 3.5                 | 3  | 2.5  | 2  | 1.5  | 1  | 0.5  | -1.5                | 56.5 |
|   | 23.5                | 24 | 24.5 | 25 | 25.5 | 26 | 26.5 | Fixed distance = 27 |      |
|   | B = Boring distance |    |      |    |      |    |      |                     |      |

**Attachment position/boring pattern**

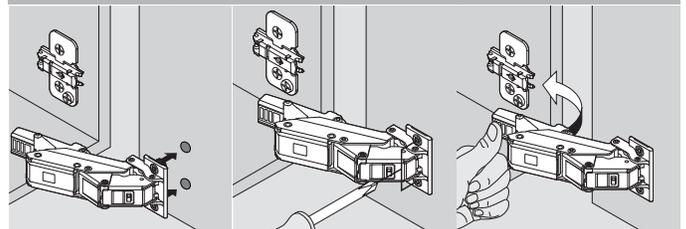


B = Boring distance

OL = Overlay

B = OL + 27 (Fixed distance)

**Hinge assembly**



**Adjustments**

| Height adjustment | Side adjustment | Depth adjustment |
|-------------------|-----------------|------------------|
|                   |                 |                  |
| ± 2.0             | ± 2.0           | + 3.0<br>- 2.0   |

## Solutions for thin fronts



## Order Specification

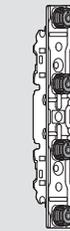


- Pre-mounted attachment system
- For thin fronts measuring **8-14 mm** (5/16" - 9/16")
- For various front materials
- Available for 3 different systems (AVENTOS, LEGRABOX and Hinges)



### Lift Systems

#### AVENTOS arm assembly mounting plate



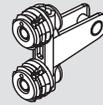
|   |  | Part no.       |
|---|--|----------------|
| For HK top, HK, HS and HL                       |  | <b>20S42T1</b> |
| For planning information, see AVENTOS brochure. |  |                |

**NOTE:** For boring depth information, see previous page.



### Box Systems

#### LEGRABOX front fixing brackets



| Heights  |    | Part no.        |
|--|----|-----------------|
| N  | 2x | <b>ZF7N70T2</b> |
| M  | 2x | <b>ZF7M70T2</b> |
| K  | 2x | <b>ZF7K70T2</b> |
| C  | 2x | <b>ZF7C70T2</b> |
| For planning information, see LEGRABOX brochure. |    |                 |

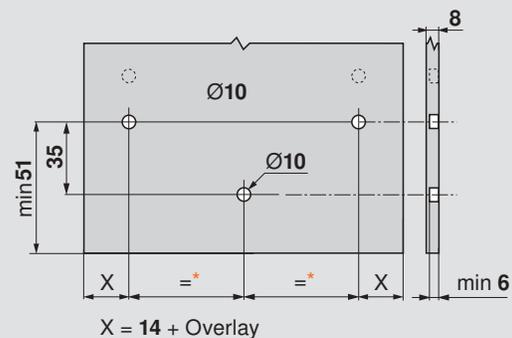
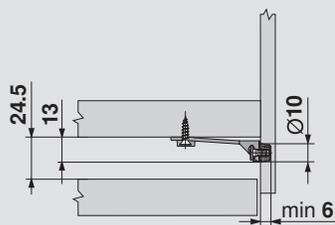
**NOTE:** For boring depth information, see previous page.

#### LEGRABOX front stabilization bracket



|                                   |          | Part no.        |
|-----------------------------------|----------|-----------------|
| From cabinet widths of <b>601</b> | 1 piece  | <b>Z96.00T1</b> |
| From cabinet widths of <b>901</b> | 2 pieces |                 |
| From front heights of <b>381</b>  | 1 piece  |                 |

### Space requirement/boring pattern for LEGRABOX front stabilization bracket



\* min. 80

## Order Specification

## Solutions for thin fronts



### EXPANDO T



|                    | Part no. |
|--------------------|----------|
| Dowel              | 70T4532T |
| Installation screw | M4x8MM   |

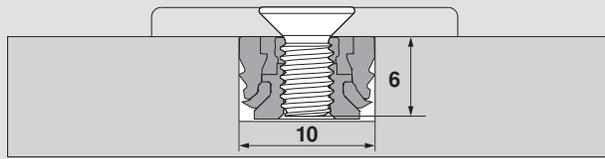
### Machine drill bits



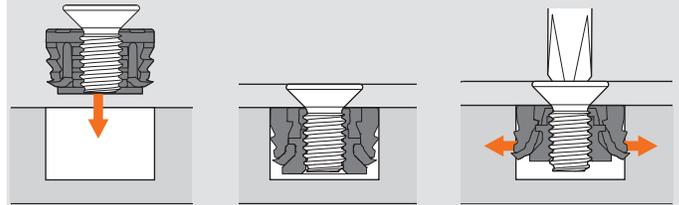
|                                 | Part no.      |
|---------------------------------|---------------|
| Ø10 mm drill bit (right handed) | M01.ZB10.02 R |
| Ø10 mm drill bit (left handed)  | M01.ZB10.03 L |

**NOTE:** Machine drill bits need to be set to 57 mm in length to achieve proper bore depth.

### Boring dimensions



### Dowel assembly



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Be sure to connect with us on social media for additional resources for information regarding tips on installation, maximizing storage space, new products and other news and events going on inside Blum.

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