

# SHUTTERING PROFILES MAGNET TECHNOLOGY ACCESSORIES





**“THE HIGHEST QUALITY OF PRODUCTION HAS BEEN THE BENCHMARK FOR MORE THAN 60 YEARS. NO REASON TO CHANGE THAT.”**

What began in 1957 as a small metal engineering workshop has become one of the world’s leading manufacturers of state-of-the-art production plants for precast concrete parts. The remarkable precision of the components plays a major role in this. To this day the Weckenmann engineers and mechanics still work meticulously on every plant, machine or component – down to the last detail.



# ENGINEERED AND MADE IN GERMANY



## DEVELOPMENT AND PRODUCTION KNOW-HOW

Weckenmann has over 60 years of growing development and production know-how which fuses with many years of experience in a comprehensive range of products. All products meet the highest quality standards and are designed and produced in Germany. We received the Innovation Award of the state of Baden-Württemberg for one of our innovations in 2016.





## WECKENMANN'S INNOVATIONS HAVE REVOLUTIONISED THE PRECAST CONCRETE INDUSTRY – AND THIS IS WHERE THEY ARE CREATED

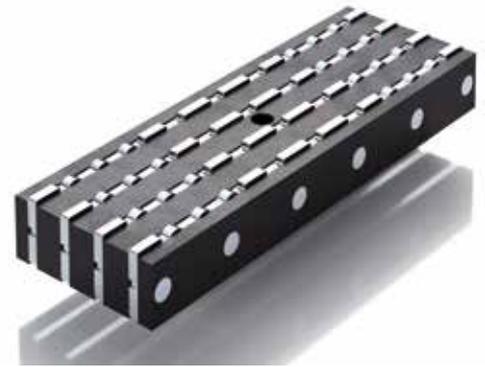
Exceptionally well-trained metalworkers have cutting-edge machines, tools and quality-tested materials at their disposal at the Weckenmann production plants. This allows dedicated employees to optimally combine their individual craftsmanship skills.

**The result: Top quality from individual shuttering profiles to complete production plant.**



## ALL SHUTTERING PROFILE SERIES ALSO WITH KS (CORROSION PROTECTION COATING)

On request all Weckenmann shuttering profile series can be supplied with a highly resistant KS (corrosion protection) coating. The shuttering profiles are chemically pre-treated in the dipping process, and even cavities and sheet metal false edges are protected against corrosion. This makes the high-quality shuttering profiles already optimally equipped for a long life in the precast concrete plant straight from the factory.



# THE RIGHT TEAM FOR EVEN BETTER QUALITY

“CUSTOMISED SOLUTIONS –  
FOR THE PERFECT PRECAST  
CONCRETE ELEMENT.”

Weckenmann has been developing and manufacturing plants, machines and shuttering for precast concrete plants for more than 60 years. These years of experience are evident in all its shuttering, from the consultation to the design, production and delivery to the customer. This means that Weckenmann always has the most ideal product for every application.



# SHUTTERING PROFILE TYPES

## A-SERIES



Profiles that have been tried and tested a thousand times over for the production of floor slabs, TT floor slabs and double walls. Easy to handle manually, optionally suitable for robot handling and available with integrated switchable magnets.

## M-SERIES / MH-SERIES



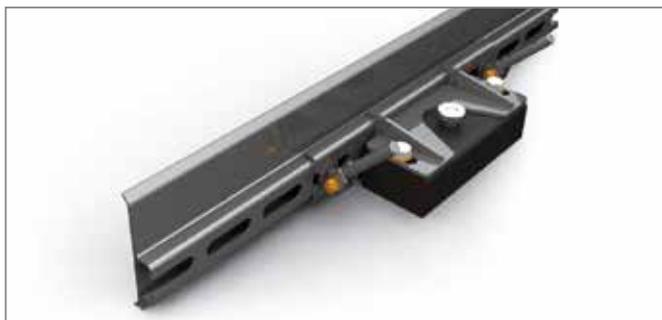
High-precision shuttering profiles that can be used on both sides for the production of columns and beams and solid elements, solid and sandwich walls, floor slabs and facades in standard thicknesses. Suitable for robot use and with integrated switchable magnets.

## X-UNI-SERIES



The most flexible, magnetic fastening system for wooden shuttering panels for the production of various products as per individual customer specifications. X-UNI consists of a universal bolt-on adapter combined with switchable magnets and tool-less eccentric clamps.

## X-UNI-S-SERIES



Interchangeable steel shuttering profiles for the production of a wide variety of products and in particular door and window cut-outs in variable sizes.

## M-BASIS / M-TOP-SERIES



A modular system suited for robot use that can be used on both sides with attachment profiles based on the classic Weckenmann M SERIES for the production of columns and beams, solid elements such as walls, floor slabs, sandwich elements and facades as well as special parts in varying shuttering heights.

## EXPLANATION OF ICONS

Icons indicate the distinguishing features of our different shuttering systems.

Below is a brief description of these icons.



### CAN BE USED ON BOTH SIDES

The shuttering profile has two shuttering sides with uniform or different profiling.



### SUITABLE FOR ROBOT HANDLING

The shuttering profile is suitable for shuttering and demoulding by a shuttering robot.



### INTEGRATED SWITCHABLE MAGNETS

High-performance magnetic strips based on rare earth magnet technology are installed, which are mechanically activated or deactivated.



### EXTENSION WITH ATTACHMENT PROFILES

The shuttering is made ready to accept an attachment profile, which allows extending the height of the profile.



### MAGNETIC BOX FASTENING

The shuttering system is based on fastening using Magnetboxes M.



### WOODEN PLANKING

The customer can attach wooden shuttering panels.

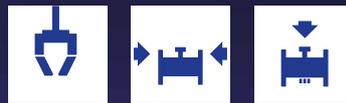
# SHUTTERING PROFILES



## A-SERIES

P. 12-15

Floor slabs and double wall shuttering.



## M-SERIES / MH-SERIES

P. 16-19

Shuttering for solid and sandwich elements, slabs and facades in standard thicknesses.





## M-BASIS / M-TOP-SERIES P. 20-21

Shuttering for solid and sandwich elements, slabs and facades in varying heights.



## X-UNI / X-UNI-S-SERIES P. 22-25

Shuttering with wooden or steel planking for solid and sandwich elements, slabs and facades in variable dimensions.



# ACCESSORIES AND MAGNET TECHNOLOGY

## X-GAP

P. 30-31

The clever solution for closing shuttering gaps with different profiling.



## X-SMART

P. 28-29

For the continuous extension of shuttering profiles as well as connecting shuttering profiles with different profiles.



## X-FLEX

P. 32-33

The universal hold-down system for flexible shuttering construction.



## X-CORNER

P. 34-35

Hold-down system for fixing wooden shuttering panels and fibreglass upstands with angle stops of 45 ° and 90 ° for quick measuring and fixing.



## MAGNETBOX M

P. 40-41

Magnet boxes are used for fast and secure fixing of shuttering profiles and mounting parts.



## ADAPTER PLATE

P. 27

To fix wooden frames to the magnet boxes.



## MAGNET TECHNOLOGY

P. 42-47

Magnetic strips, built-in magnets and magnetic triangular chamfer strips.



## ACCESSORIES

P. 48-49

Handling traverses, magnetic release lever, shuttering transport, etc.

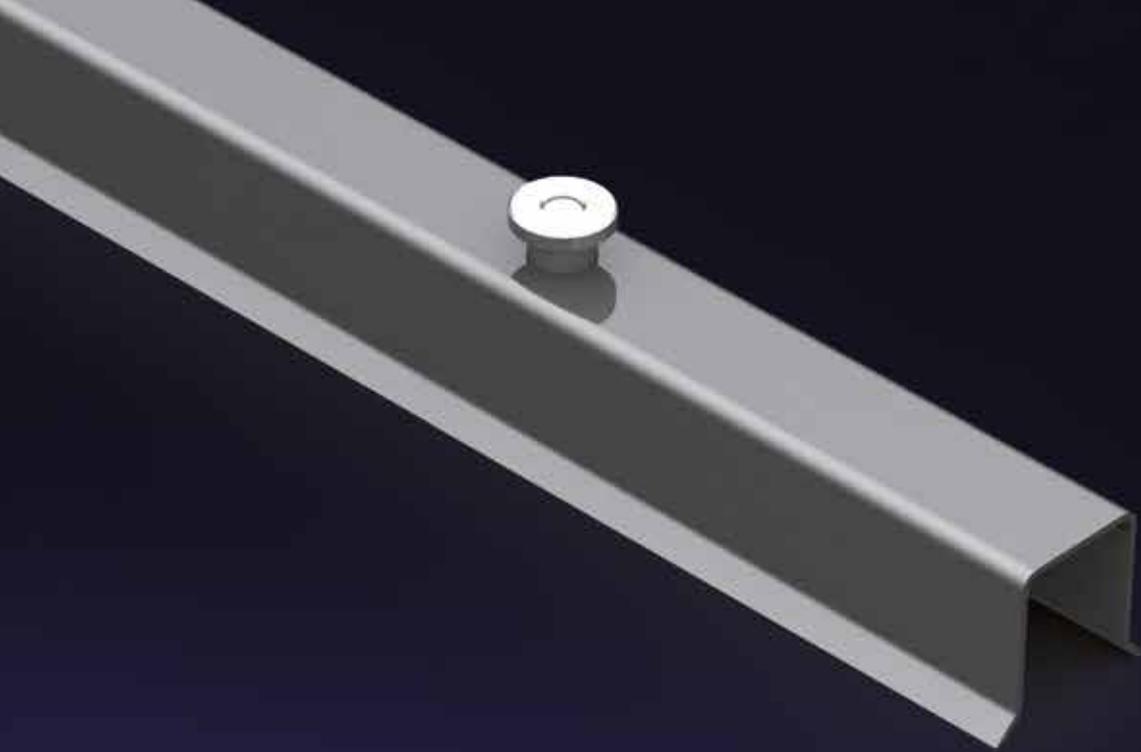


## X-QUICK

P. 36-39

For infinitely variable length adaptation of shuttering profiles as a substitute for polystyrene profiles.





# A-SERIES

Special steel profiles that have been tried and tested a thousand times over for the production of floor slabs, TT floor slabs and double walls. Easy to handle manually, optionally suitable for robot use and with integrated switchable magnets.



# SHUTTERING FOR THE PRODUCTION OF FLOOR SLABS AND DOUBLE WALLS

The tried and tested A-SERIES shuttering system, which has proven its worth over a period of more than 35 years, allows the quick and precise shuttering of floor slabs and double walls. Integrated switchable magnets or separately positioned magnets ensure a firm connection with the shuttering table.

In the integrated switchable magnets, built-in spring assemblies prevent the profiles from floating, while optional pressed in locking canulars do the job in separately positioned magnets. The telescopic extension of the shuttering profiles up to a shuttering height of 80 mm is provided by the AU type top profiles.



## CROSS SECTIONS OF THE A-SERIES



No chamfers



One chamfer

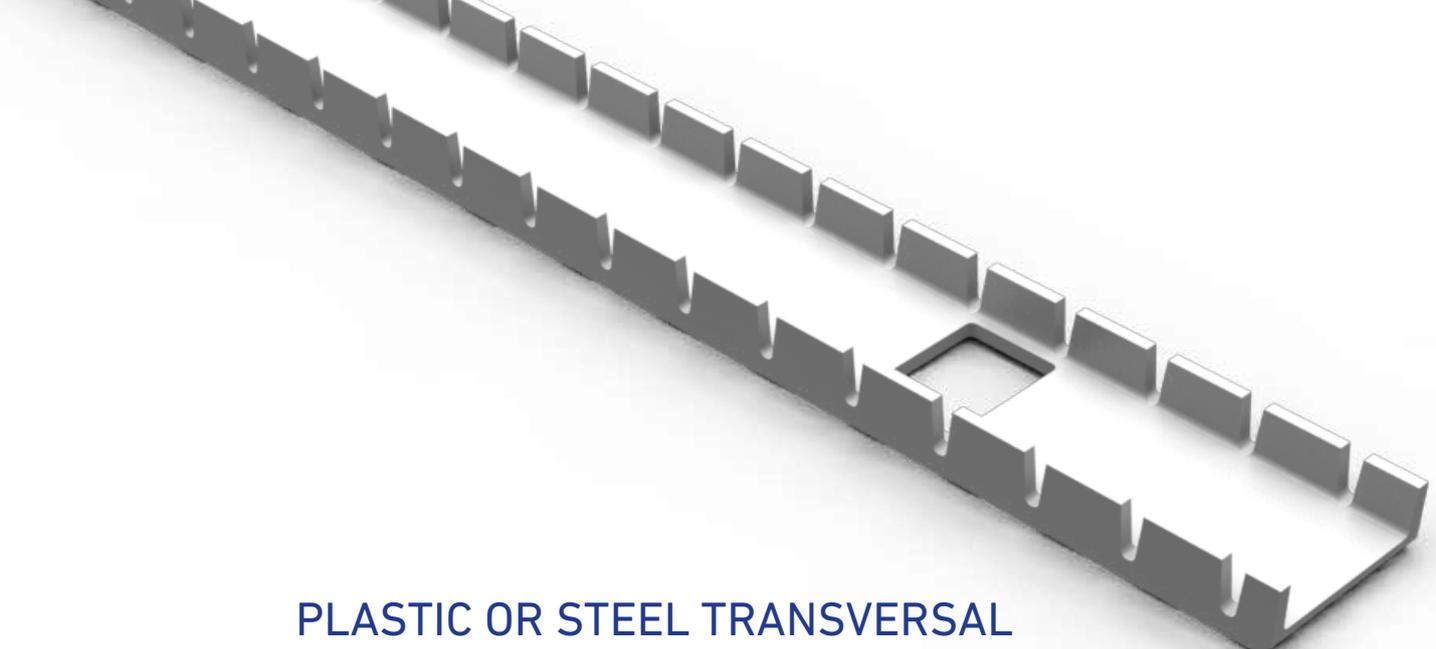


Two chamfers

## PREFERRED DIMENSIONS FOR A-SERIES TRANSVERSAL SHUTTERING PROFILES

	A-SERIES	AU TOP PROFILES
Height	40 - 140 mm	40 - 140 mm
Width	40, 56, 60 mm in 3 mm sheet steel 58 mm in 4 mm sheet steel	40, 56, 60 mm
Length	250 - 4.000 mm	1.000, 1.500 mm

Other dimensions are available on request.



## PLASTIC OR STEEL TRANSVERSAL SHUTTERING PROFILES FOR FLOOR SLAB PRODUCTION

For the floor slab production with recesses for straight steel reinforcing and bended steel reinforcing. The transversal shuttering profiles can either be attached by magnetic strips, double-sided perforated plates with locking pins or eccentric clamps.

### PLASTIC VERSION

The extruded plastic transversal shuttering profiles are lightweight and flexible. Ideal for manual shuttering handling with recesses for straight steel reinforcing and bended steel reinforcing.



For straight reinforcement with exemplary magnetic fixation

### STEEL VERSION

The sheet steel transversal shuttering profiles with a corrugated grid are intended for bended steel reinforcing. Particularly suitable for machine positioning and storing using the MCP device.



For bended reinforcement and with example of perforated plate

### STEEL VERSION WITH INTEGRATED MAGNETS

Activation and deactivation by means of integrated, switchable magnets.



With integrated magnets



With integrated magnets

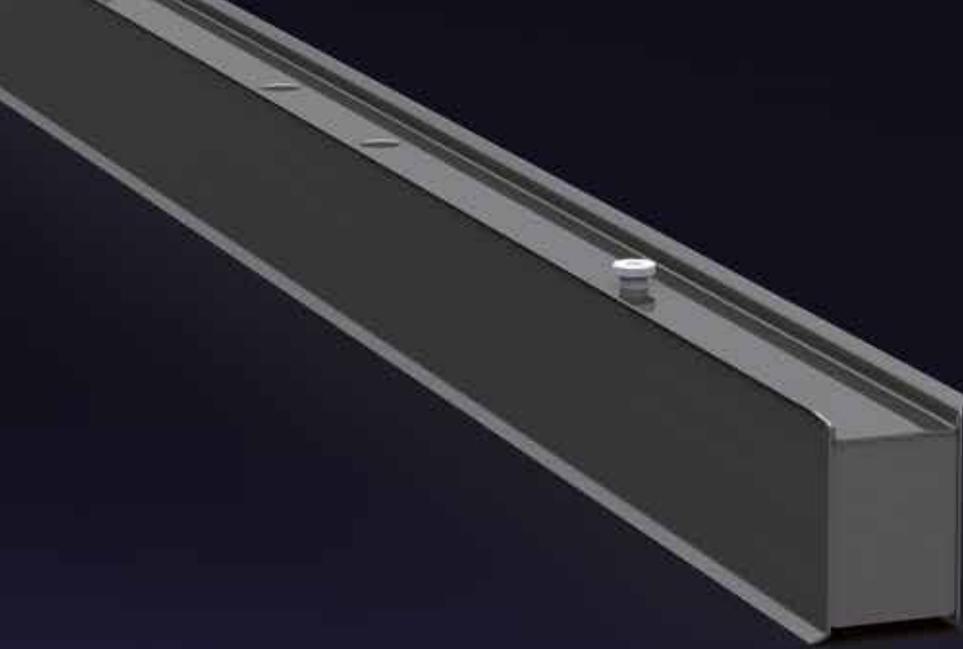


#### DETAILS OF THE TRANSVERSAL SHUTTERING PROFILES

	MADE OF PLASTIC	MADE OF SHEET STEEL
Production width	500 - 2.500 mm	500 - 3.500 mm
Profile width	200 mm	160 / 180 / 200 mm
Recess grid for straight reinforcement	75 mm	
Corrugated profile grid for reinforcement bent at a right angle		32 mm
Shuttering height	60 / 70 mm	60 / 70 / 75 / 80 mm

Other dimensions are available on request.





# M-SERIES / MH-SERIES

Lightweight and high-precision box profiles that can be used on both sides for the production of columns and beams and solid elements, solid and sandwich walls, floor slabs and facades in standard thicknesses. Many different cast joint formations. Suitable for robot use and with integrated switchable magnets. The MH series is also equipped with a reinforced outer shuttering shell for tough applications.





## SHUTTERING FOR THE PRODUCTION OF SOLID ELEMENTS, PREFERABLY IN STANDARD THICKNESSES

Integrated switchable magnets are used for fixation; the number depends on the profile design and type of application. The profiles can be used on both sides, thereby doubling the possible applications of the profile. The positioning of the profiles, the activation of the magnet units, as well as the demoulding can be done either by hand or by a shuttering robot.

The X-GAP and X-SMART shuttering-extension systems are available to extend the M-SERIES shuttering system. These systems allow the profiles to be extended continuously and connect different overlapping profiles.

### M-SERIES VERSIONS



Longitudinal and end-face profiling are possible



Special profiles are possible

### PREFERRED DIMENSIONS

M-SERIES / MH-SERIES	
Height	90 - 400 mm
Width	120 mm (plus cast joints and chamfer width)
Length	750 - 4.000 mm
Magnet systems	M 2112

Other dimensions are available on request.  
Profiling of shuttering panels according to the  
profiling diagram of page 50/51

## M-SERIES SHUTTERING



in the production of a solid wall panel with chamfer design and cast joints



also suitable for the mechanical levelling of the finished part surface by machinery



in the production of a solid wall panel with chamfer design and cast joints



profiled in the length and front side

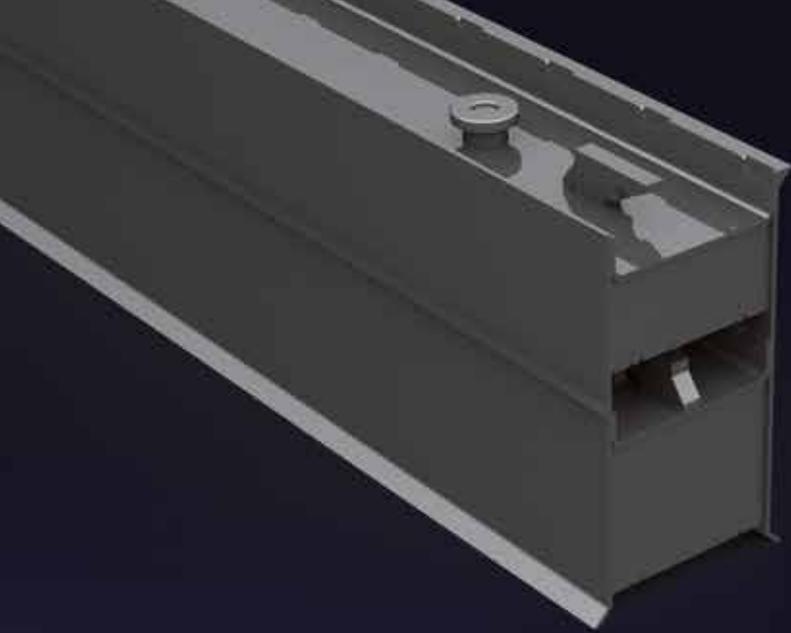


with chamfer during robot handling

## M-SERIES SHUTTERING FOR THE PRODUCTION OF SOLID WALL PANEL



with chamfer during robot handling



# M-BASIS / M-TOP-SERIES

A modular system suited for robot use that can be used on both sides with attachment profiles based on the classic Weckenmann M-SERIES for the production of columns and beams, solid elements, solid and sandwich walls, floor slabs and facades as well as special parts in varying shuttering heights.





## SHUTTERING FOR THE PRODUCTION OF SOLID ELEMENTS WITH VARYING SHUTTERING HEIGHTS

The M-BASIS / M-TOP-SERIES consists of a base mould with integrated switchable magnets and attachment profiles in a modular system. By using attachment profiles (M-TOP), the individual shuttering heights can be adjusted.

The advantages of the M-SERIES such as robot suitability, integrated switchable magnets and dual-sided usability are retained also when using the M-TOP attachment profile.

### M-BASIS / M-TOP VERSIONS



M-TOP attachment profile



M-BASIS base profile with integrated switchable magnets



Base (M-BASIS) and attachment profiles (M-TOP) are interlocked to form one stable unit

### PREFERRED DIMENSIONS

M-BASIS / M-TOP-SERIES	
Height	90 - 400 mm
Width	120 mm (plus cast joints and chamfer width)
Length	750 - 4.000 mm
Magnet systems	M 2112

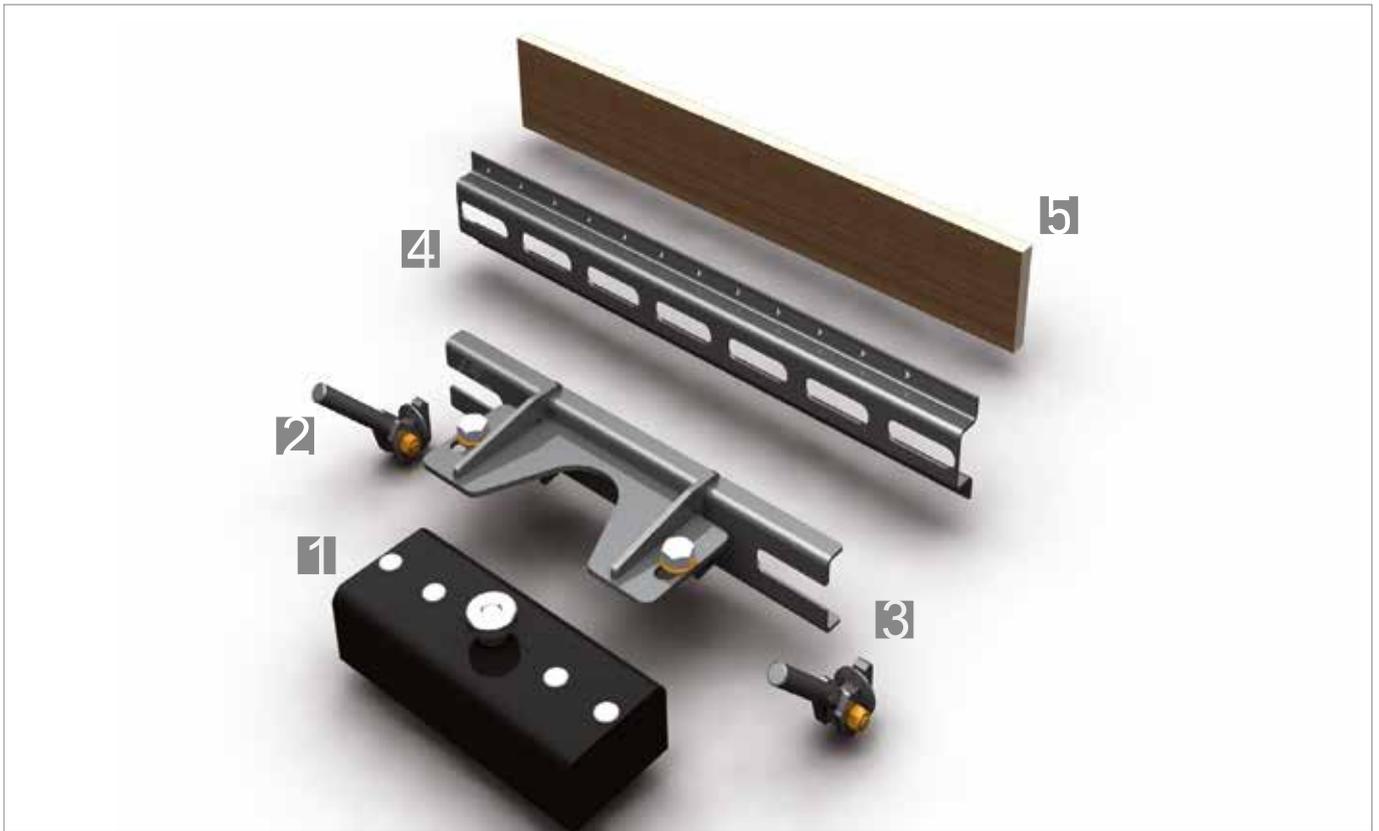
Other dimensions are available on request.  
Profiling of shuttering panels according to the profiling diagram of page 50/51



# X-UNI / X-UNI-S-SERIES

The most flexible magnetic fastening system for shuttering panels made of wood and steel for the production of various products as per individual customer specifications. Universal bolt-on adapter combined with switchable magnets for individual component thicknesses.



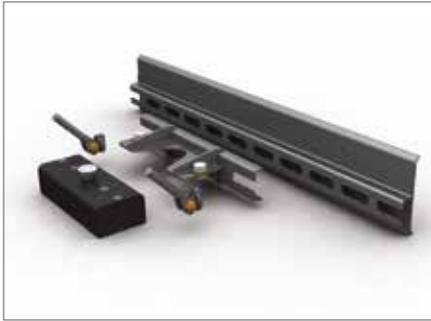


## THE X-UNI FASTENING SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS

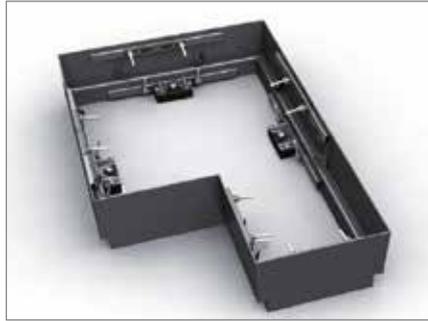
- ❶ Switchable MagnetBox M for magnetic fixation
- ❷ X-UNI eccentric clamps
- ❸ One-sided X-UNI adapter
- ❹ X-UNI fastening profile
- ❺ Wooden shuttering panel (provided by customer)



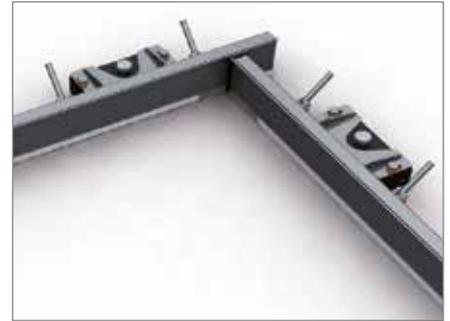
## X-UNI-S VERSIONS



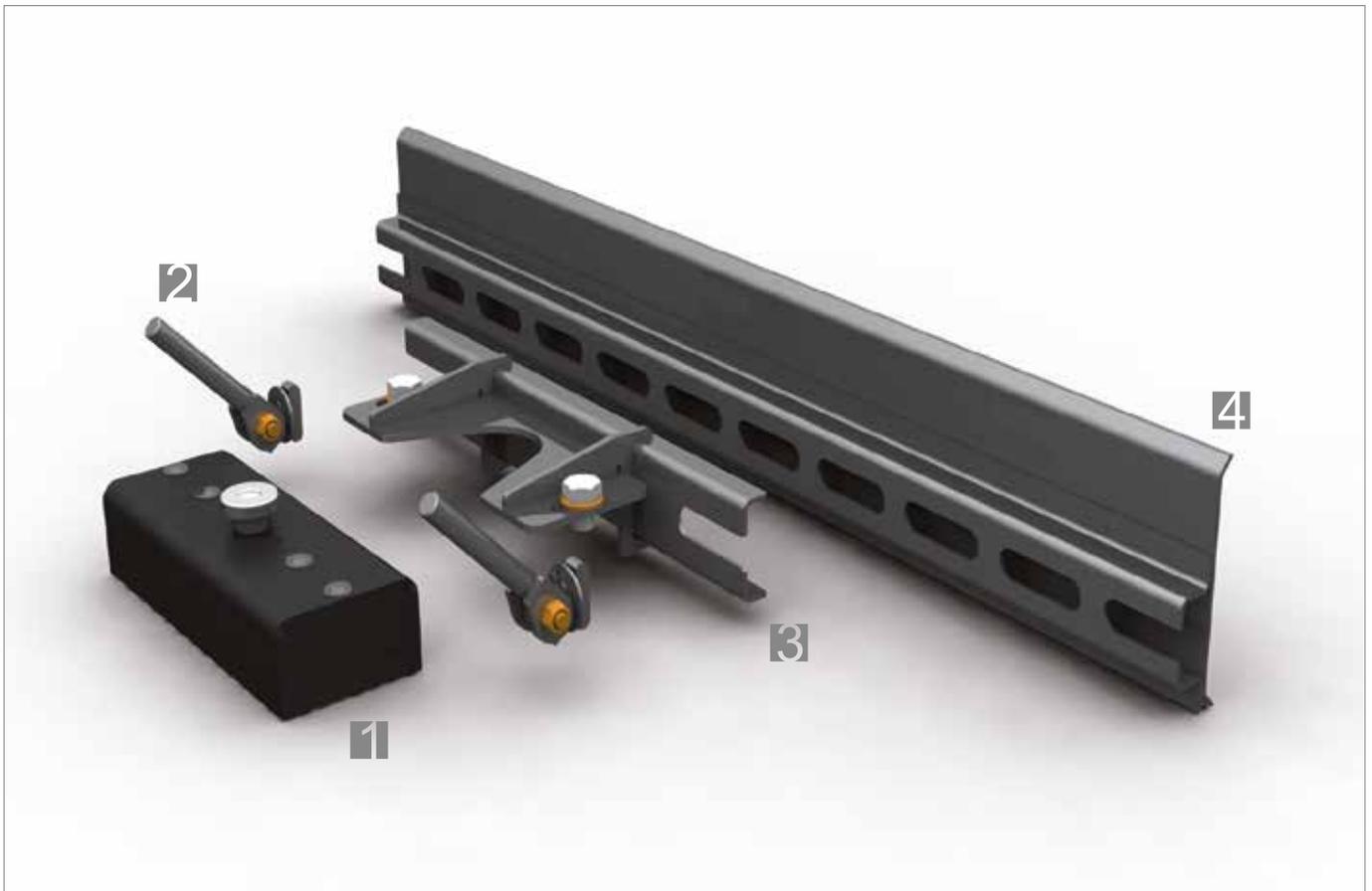
Modular system based on standardised X-UNI components



Application example for door and window cut-outs including X-UNI inside corner bracket



Can be combined with wooden shuttering panels (X-UNI system)



## THE X-UNI-S FASTENING SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS

- 1 Switchable MagnetBox M for magnetic fixation
- 2 X-UNI eccentric clamps
- 3 One-sided X-UNI adapter
- 4 Steel shuttering with fastening profile



## MAGNETICALLY FIXABLE FASTENING SYSTEM FOR WOOD AND STEEL SHUTTERING

Even if the diversity of shuttering variants does not allow the use of a profile shuttering system, you do not have to do without a magnetic positioning and fixing system.

The X-UNI / X-UNI-S-series is an adapter system with which wooden shuttering panels can be safely positioned using the MagnetBoxes M with an adapter system.

### PREFERRED DIMENSIONS

X-UNI / X-UNI-S	
Height	80 - 400 mm
Width	146 mm
Length	500 - 4.000 mm

### COMPONENTS AND ACCESSORIES

ITEM NUMBER	COMPONENT	SHUTTERING HEIGHT
056327	One-sided X-UNI adapter, for MagnetBox M 1017 - M 2117	100 - 200 mm
059034	One-sided X-UNI adapter, for MagnetBox M 1017 - M 2117	200 - 300 mm
059035	One-sided X-UNI adapter, for MagnetBox M 1017 - M 2117	300 - 400 mm
052510	X-UNI eccentric clamp	
063953	X-UNI inside corner bracket	
063952	X-UNI outside corner bracket	
070779	X-UNI fastening profile	

Profiling of shuttering panels according to the profiling diagram of page 50/51

# ACCESSORIES AND MAGNET TECHNOLOGY

ADAPTER PLATE  
FOR WOODEN FRAME



X-SMART



X-GAP



X-FLEX



X-CORNER



X-QUICK



MAGNETBOX M



MAGNET TECHNOLOGY





## ADAPTER PLATE FOR WOODEN FRAME

For fastening wooden shuttering elements using magnets.

The adapter plate for wooden shuttering is used in conjunction with MagnetBoxes M 1017 and M 2117.

Shuttering made of wood can be securely bolted to the adapter plate through drill holes. The whole unit is fastened proper to the shuttering table.

### COMPONENTS AND ACCESSORIES

ITEM NUMBER	COMPONENT	SHUTTERING HEIGHT
143021	Adapter for wooden shuttering	100 - 160 mm
143022	Adapter for wooden shuttering	140 - 200 mm
143023	Adapter for wooden shuttering	200 - 260 mm
143024	Adapter for wooden shuttering	240 - 300 mm
143025	Adapter for wooden shuttering	300 - 360 mm

Other dimensions are available on request.



# X-SMART

The X-Smart system allows the continuous extension of shuttering profiles as well as connecting shuttering profiles with different profiles.





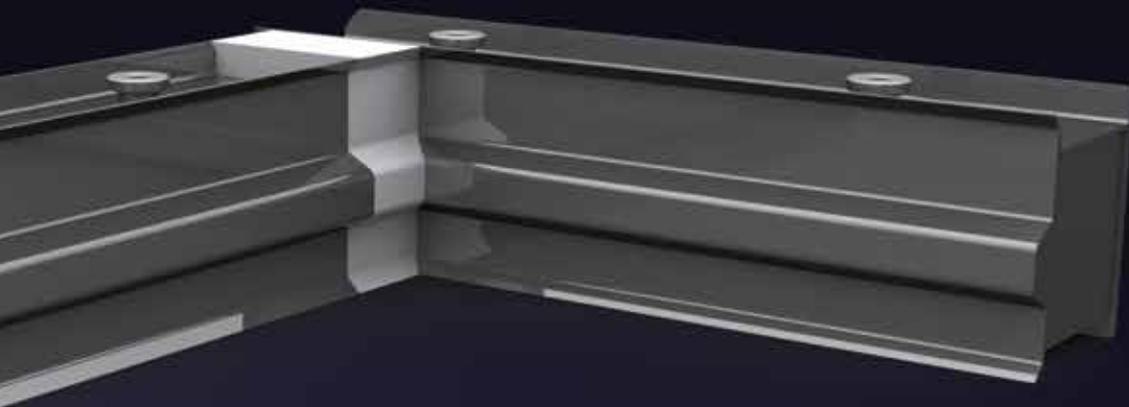
## THE X-SMART EXTENSION SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS

- 1 X-SMART steel shutter as per the profiling diagram on pages 50-51
- 2 X-SMART universal adapter for the magnet box with integrated round magnets
- 3 Switchable MagnetBox M for magnetic fixation

### COMPONENTS AND ACCESSORIES

ITEM NUMBER	COMPONENT	SHUTTERING HEIGHT
143121	X-SMART universal adapter for the MagnetBox	60 - 100 mm
143122	X-SMART universal adapter for the MagnetBox	100 - 200 mm
143123	X-SMART universal adapter for the MagnetBox	200 - 300 mm
143124	X-SMART universal adapter for the MagnetBox	300 - 400 mm

Profiling of shuttering panels according to the  
profiling diagram of page 50/51



# X-GAP

X-Gap form elements are the efficient connecting elements between longitudinal and transversal shutters with different profiles.





## THE CLEVER SOLUTION FOR CLOSING SHUTTERING GAPS IN DIFFERENT PROFILES

The connection of varying profiling pairs is made possible by the use of plastic form elements with integrated magnets.

### APPLICATION OF X-GAP



### DETAILS OF THE X-GAP CONNECTION SYSTEM

	X-GAP
Dimensions	As needed
Material	Plastic
Fastening	Magnetic

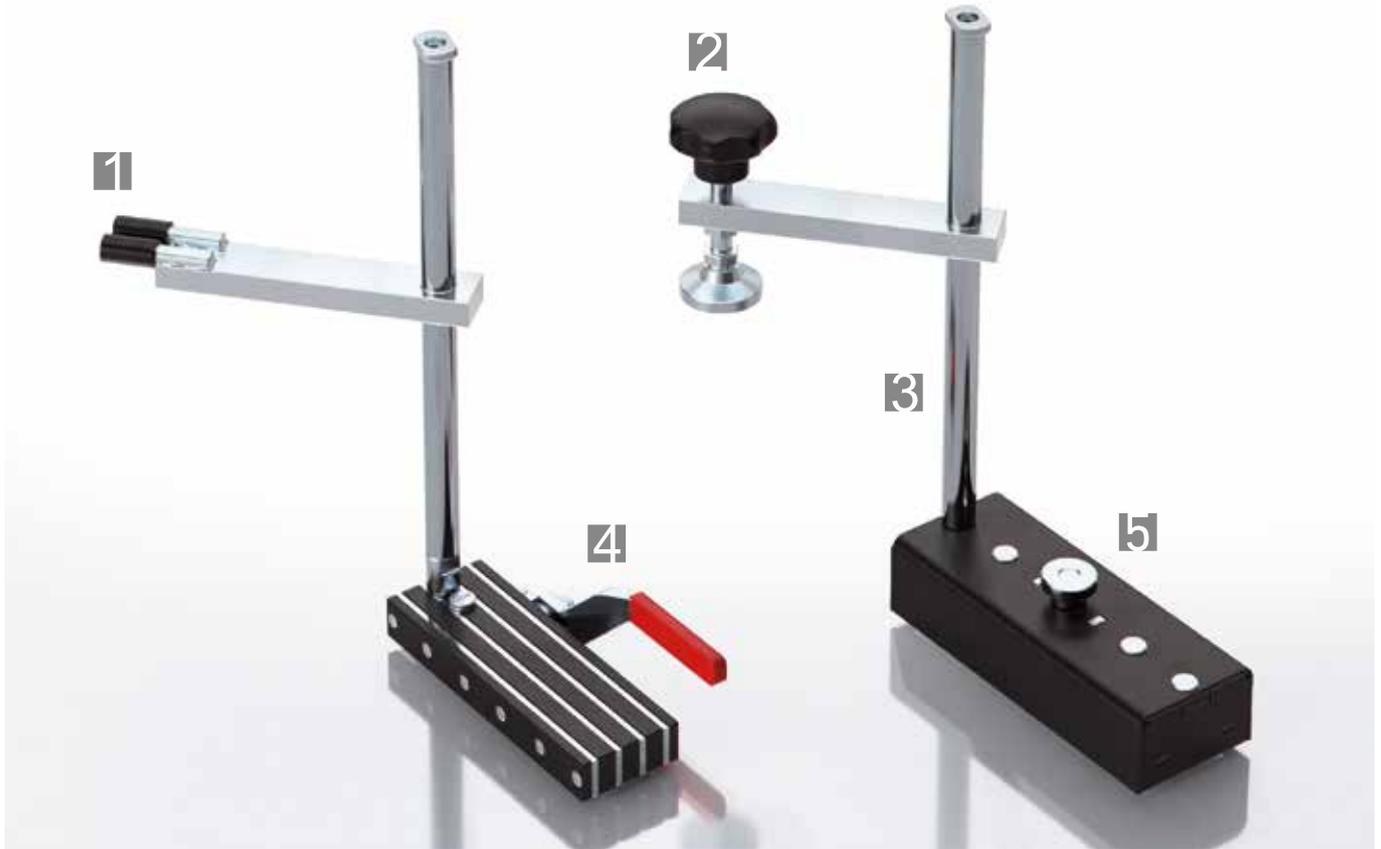
Profiling of X-GAP form elements according to the profiling diagram of page 50/51



# X-FLEX

The universal hold-down system for flexible shuttering construction, for fastening pans, for clamping shuttering rails and for positioning upstands.





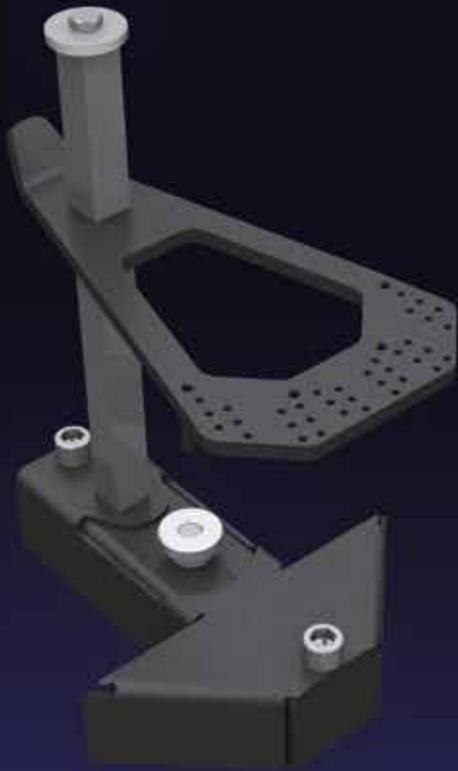
## THE X-FLEX MAGNET SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS

- 1 Extension arm with rubberised pressure fingers
- 2 Extension arm with star knob screw
- 3 Column
- 4 Base unit ME 1804
- 5 Switchable MagnetBox M 2117 for magnetic fixation

### COMPONENTS AND ACCESSORIES

ITEM NUMBER	COMPONENT	DIMENSIONS
028135	Extension arm with star knob screw und articulated pressure plate	
029401	Extension arm with rubberised pressure fingers	
032905	Solid column	200 mm
045033	Base unit ME 903	240 x 87 x 30 mm
046703	Base unit ME 1804	240 x 126 x 30 mm
142333	MagnetBox M 818	139 x 100 x 60 mm
136475	MagnetBox M 1017	267 x 68 x 60 mm
132913	MagnetBox M 2117	267 x 104 x 60 mm

Other dimensions are available on request.



# X-CORNER

Allows the quick measuring and fixing of upstands made of glass fibre reinforced concrete and cut-out frames made of wooden shuttering panels with angle stops of 45 ° and 90 °.





## THE HOLD-DOWN SYSTEM FOR FIXING WOODEN SHUTTERING PANELS OR FIBREGLASS UPSTANDS

The universal adapter on the MagnetBox M 1017 consists of a height-adjustable hold-down with pressure plate and holes for screwing or nailing of wooden shuttering panels, a square column, as well as a bottom stop bracket.

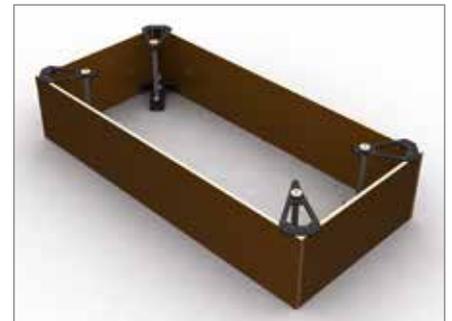
### APPLICATION OF X-CORNER HOLD-DOWN SYSTEM



For holding down brackets



For holding down straight surfaces



For holding down complete door and window frames

### TECHNICAL DATA

X-CORNER	
Item number	075700
Clamping height	110 - 425 mm
Built-in MagnetBox	M 1017
Weight	9,3 kg



# X-QUICK

For infinitely variable length adaptation of shuttering profiles in the production of floor slabs and double walls with magnet fastening as a replacement for polystyrene profiles.





REDUCE COSTS  
PROTECT THE ENVIRONMENT  
INCREASE QUALITY

The shuttering profiles made of thin shuttering steel sheet are cut to the exact length with the special shears during manual shuttering and then bent to match the corresponding shuttering cross-section. For this, the shuttering sheet is perforated along the bending edge so that an easily workable and correctly positioned folded edge can be produced either by hand or with the bending device available for this purpose.

Positioning and fixing is done by special MXQ magnets on four sides.

This product can replace polystyrene as shuttering material. The shuttering extension profiles can be used once or several times and then recycled in the product lifecycle.

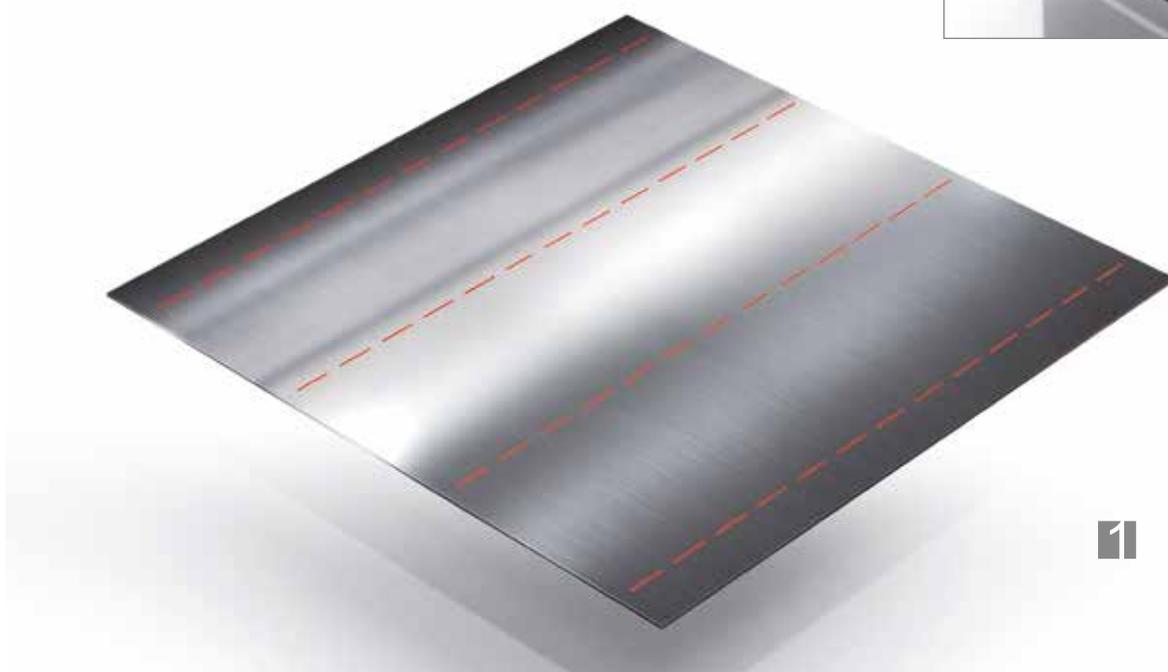
#### BENDING SEQUENCE FOR SHUTTERING PLATES

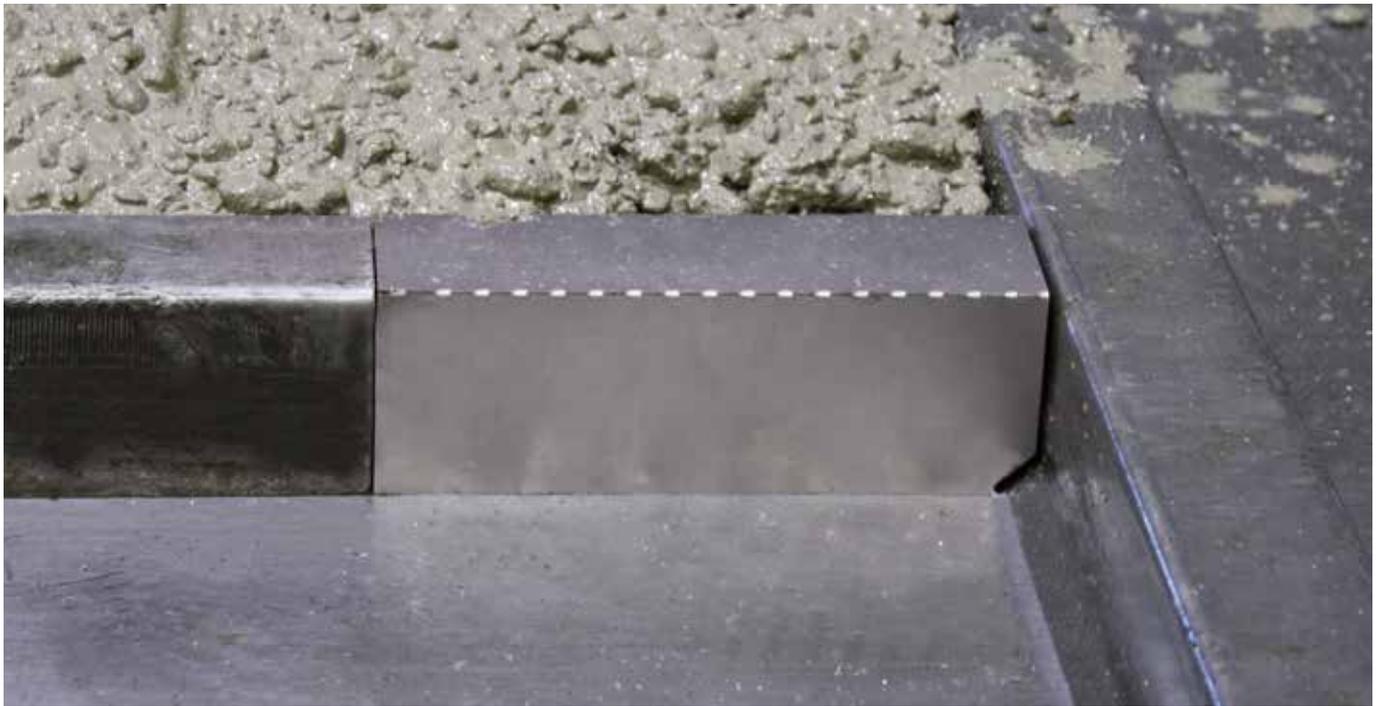




## THE X-QUICK SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS

- ❏ 1 X-QUICK steel shuttering plates
- ❏ 2 Worktable with stop and guillotine shear
- ❏ 3 Manual bending aid
- ❏ 4 Special MXQ magnet series





#### COMPONENTS AND ACCESSORIES

ITEM NUMBER	COMPONENT	DIMENSIONS
142323	X-QUICK shuttering plates	Length: 2.000 mm
142324	X-QUICK workplace system consisting of stop system with bending aid, lever shears, 500 mm measuring scale, optional substructure	
142325	X-QUICK special MXQ 70/60 magnet	59 x 59 x 17 mm
142326	Demoulding aid for X-QUICK special magnets	



# MAGNETBOX M

Magnet boxes are used for fast and secure fixing of shuttering profiles and mounting parts.



# THE ALL-ROUNDER IN THE MAGNETIC FIXING OF SHUTTERING AND MOUNTING PARTS

They contain a switchable magnet unit. When not activated, the MagnetBox can be easily moved to the right position. The magnetic force is activated by pressing a switch button on the top.

The MagnetBoxes can be fitted with various adapters and hold-downs using the M16 threaded holes on the top.

## APPLICATION OF MAGNET BOXES



The MagnetBox with X-Flex column retaining clamp system



The MagnetBox serves as a carrier for Weckenmann system shuttering



The MagnetBox can also be used to support shuttering

## TECHNICAL DATA

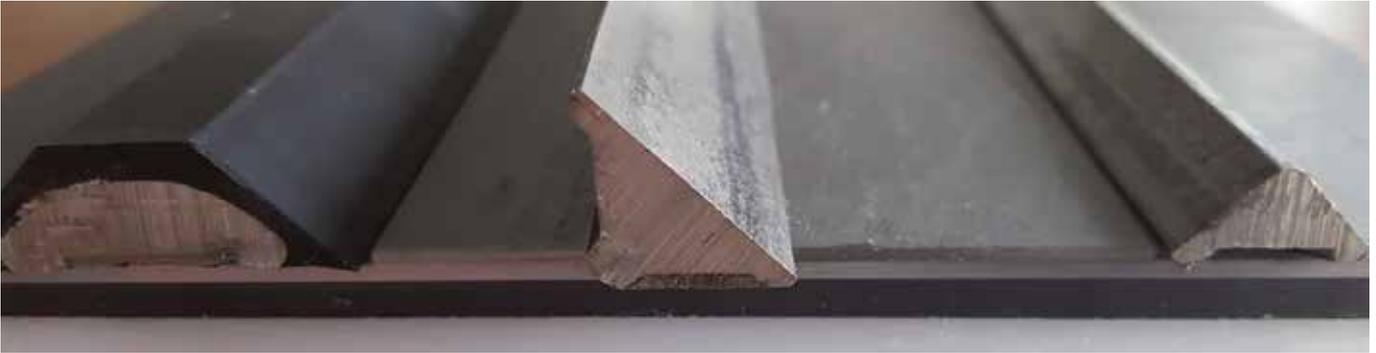
	M 1017	M 2117	M 818
Item number	136475	132913	142333
M16 thread (number)	4	4	2
Length	267 mm	267 mm	139 mm
Width	68 mm	104 mm	100 mm
Height	60 mm	60 mm	60 mm
Height incl. control button (activated)	81,5 mm	81,5 mm	81,5 mm
Weight	4,5 kg	7,2 kg	3,5 kg
Holding force	about 10.000 N	about 21.000 N	about 8.000 N

Other dimensions are available on request.

# MAGNET TECHNOLOGY

Magnet technology is used to fix shuttering profiles and built-in magnets in the production process.





## MAGNETIC MOULDINGS FOR THE ACCURATE FORMATION OF PRECAST CONCRETE PARTS

The magnetic mouldings allow the fast and accurate formation of exactly shuttered triangular chamfers, drip grooves or dummy joints in shuttering construction with steel shuttering. The built-in magnets hold the mouldings securely in position, no screwing, welding or gluing is required.

### EXAMPLE OPTIONS

					
Cross section (as example)	10 / 10 15 / 15 19 / 19	10 / 10 15 / 15 19 / 19	10 / 10 15 / 15 19 / 19	10 / 10 / 15 15 / 15 / 21 15 / 20 / 25 20 / 20 / 30 24 / 24 / 34	On demand
Material	Steel / Plastic	Steel / Plastic	Steel / Plastic	Rubberized	Rubberized
Magnet holding sides	Cathetus	Both catheti	Hypotenuse	Bottom	Bottom

Other dimensions are available on request.



## ML MAGNETIC STRIPS HAVE PROVEN THEIR WORTH IN FLOOR SLAB AND DOUBLE WALL PRODUCTION

The classic magnetic strip has been part of our range for more than 35 years for use in the production of floor slabs and double walls.

The A-SERIES shuttering profiles are securely fixed by these magnets. Positioning is profile-independent, i.e. the magnetic strips are measured, set by hand or placed on the shuttering table by the shuttering robot and then the shuttering profiles are put over the magnetic strips. To avoid the floating of the profiles during high-frequency vibration, the option exists to secure the shuttering profiles with the magnets by means of locking canulars.

### APPLICATION OF ML, MLR MAGNETIC STRIPS



ML 3000 ferrite disc magnet



MLR 5750-NR ferrite disc magnet

### TECHNICAL DATA

ML, MLR MAGNETIC STRIPS	ML 3000	MLR 5750-NR
Item number	138277	141544
Length	140 mm	260 mm
Width	50 mm	54 mm
Height	50 mm	50 mm
Weight	2,2 kg	4,5 kg
Holding force	about 3.000 N	about 5.750 N
Suitable for robot handling	No	Yes
Radius and pointed groove	No	Yes



## MR MAGNETIC STRIPS ARE THE STRONG HOLDING FORCE ALTERNATIVE FOR FLOOR SLAB AND DOUBLE WALL PRODUCTION

The MR magnet series is the high-performance version for use in the production of floor slabs, double-walls and solid elements.

The exceptional holding force is achieved by the rare earth magnet materials. This allows the A-SERIES shuttering profiles to be fixed even more securely by these magnets. Positioning is profile-independent, i.e. the magnetic strips are measured, set by hand or placed on the shuttering table by the shuttering robot. The shuttering profiles are then put over the magnetic strips. To avoid the floating of the profiles during high-frequency vibration, the option exists to secure the shuttering profiles with the magnets by means of locking canulars.

### APPLICATION OF MR HIGH-PERFORMANCE MAGNETIC STRIPS

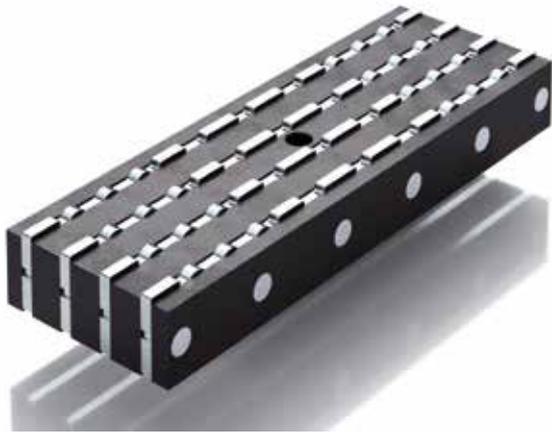


MR 1005-R high-performance magnetic strip in steel and stainless steel with antimagnetic stainless steel housing

### TECHNICAL DATA

MR HIGH PERFORMANCE MAGNETIC STRIPS	MR 1005-R
Item number	122533
Length	260 mm
Width	54 mm
Height	50 mm
Weight	4,1 kg
Holding force	about 10.000 N
Suitable for robot handling	Yes
Locking groove	Yes

Other dimensions are available on request.



## M MAGNETIC STRIPS ARE USED IN OUR M-SERIES SHUTTERING PROFILES AND IN THE MAGNET BOXES

Built-in magnets for shuttering profiles, as well as for the custom shuttering construction.

These magnets are used as high-performance, switchable magnets in Weckenmann shuttering profiles, as well as in the magnetic fixing of custom shuttering construction elements in precast concrete plants. The magnetic strips are developed in-house and equipped with a robust KS coating (corrosion protection) as standard.

### APPLICATION OF M MAGNETIC STRIPS



### TECHNICAL DATA

BUILT-IN MAGNETS	M 2112	M 1015	M 1014	M 416
Item number	094567	126117	114397	128466
Length	240 mm	240 mm	150 mm	150 mm
Width	81 mm	41 mm	81 mm	41 mm
Height	30 mm	30 mm	30 mm	30 mm
Threaded hole	M 12	M 12	M 12	M 12
Weight	4,5 kg	2,2 kg	1,6 kg	1,4 kg
Holding force	about 21.000 N	about 10.000 N	about 10.000 N	about 5.000 N

# BUILT-IN MAGNETS FOR FAST ATTACHMENT OF MOUNTING PARTS IN PRECAST CONCRETE PARTS

Our magnetic mounting systems make the secure fixing of mounting parts much easier.

We provide ready-made solutions or develop built-in magnets according to your requirements for the mounting of electrical sockets, cable loops, weld-on plates and threaded sockets for our customers, for example.

## APPLICATION OF BUILT-IN MAGNETS



Item No. 133405  
For the installation of threaded mounting sockets for double-wall production



Item No. 073145  
For the mounting of weld-on plates in solid wall production



Item No. 103238  
For the formation of base steel eyelets or cable loops



Item No. 041265  
For the mounting of electrical sockets

# ACCESSORIES FOR HANDLING AND TRANSPORTATION

## HANDLING TRAVERSE



Item No. 057581  
For transporting shuttering profiles with snap-lock mechanism.

## CLEANING AND OILING DEVICE FOR SHUTTERS



On demand

## APPLICATION



## MI MAGNETIC RELEASE LEVER



Item No. 071256  
For unlocking of magnet strips.

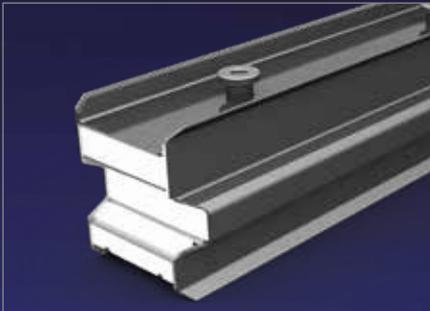


Item No. 171353  
For unlocking of magnet strips.

# PROFILES

THE SHUTTERING SYSTEMS ARE AVAILABLE WITH THE FOLLOWING PROFILES

-  A-SERIES
-  M-SERIES
-  M-BASIS
-  M-BASIS / M-TOP-SERIES
-  X-SIDE-SERIES



Front profiling



Longitudinal profiling

## FRONT PROFILING

### NO CHAMFERS

	Tongue	Groove
		

### CHAMFER BOTTOM

		
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### CHAMFER TOP/BOTTOM

		
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LONGITUDINAL PROFILING

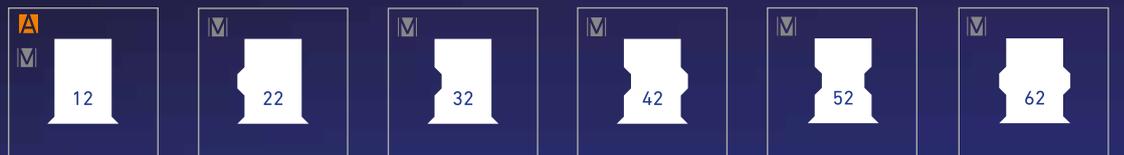
NO CHAMFERS



CHAMFER BOTTOM SINGLE-SIDED



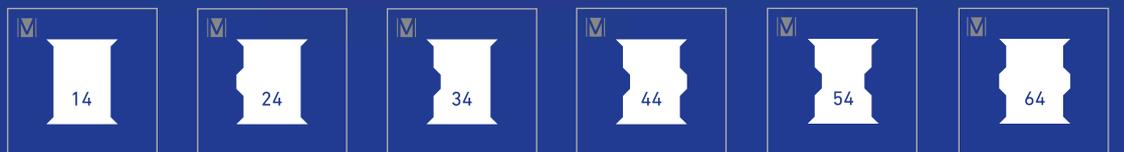
SINGLE-SIDED



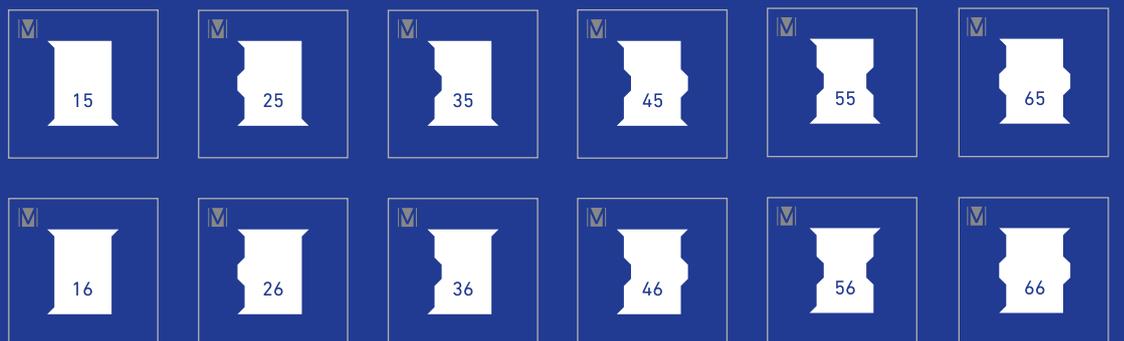
CHAMFER TOP/BOTTOM SINGLE-SIDED



DOUBLE-SIDED



CHAMFER TOP/BOTTOM SINGLE-SIDED / DOUBLE-SIDED COMBINED





# DRIVING INNOVATION WORLDWIDE

Weckenmann not only builds the largest and most modern precast concrete plants in the world. Weckenmann also builds solid and extremely resilient systems of every size and complexity – for you and for hundreds of other demanding users.