



Magfly[®] Universal

Magnets for easy and precise positioning
of metal-faced formwork

MagFly®-technology

Our patent for your efficiency

What is MagFly® technology?

MagFly® technology is a robust and compact solution which literally gets your magnetic system up on its feet. The secret behind this technology is our patented foot & spring system which makes child's play out of positioning magnets and/or shuttering precisely to the millimetre.

In the "neutral" position there is an air gap between the steel table and the magnet. This air gap means that the full magnetic force of the magnet does not come into play straight away, allowing it to be adjusted to the desired position without clamping. It is then activated by applying slight pressure. Only then does the full magnetic force become effective, which can be more than 30,000 N per magnet.

It started as an ingenious idea and turned into a success story, meanwhile becoming a standard for us: many of our magnet and shuttering solutions are now equipped with MagFly® technology as standard.

Advantages at a glance

- Extremely easy and precise positioning because the magnet more or less "glides" on the tilting table or steel pallet
- Precise fixing of the magnet by lightly pushing it; only then does the full magnetic force come into effect
- Simple visual checking to see if the magnet is "sitting" properly
- All the painstaking hammering into position usually required for rigging is dispensed with: this saves time, reduces wear and saves costs
- Compact construction without steel boxes or casings
- Full utilisation of the magnetic force by direct and positive connection between steel table, magnet and shuttering



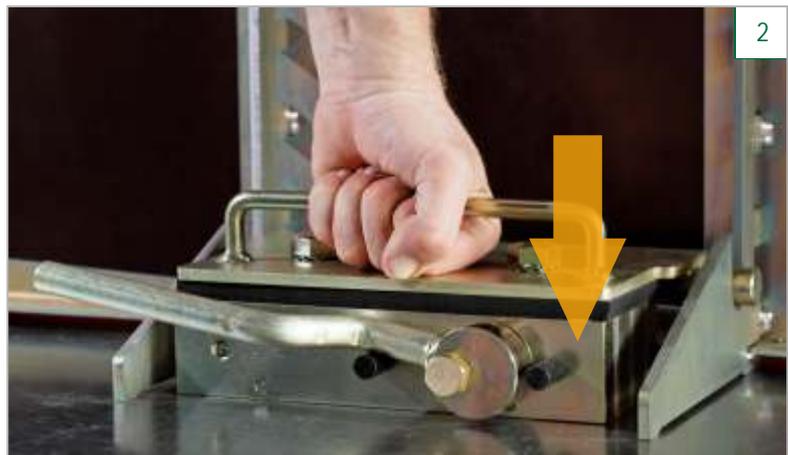
Working method

for the example of the MagFly® universal magnet

To position it, the magnet is pushed along the table with the hand or foot until it reaches the exact position required. Depending on the shuttering system or hold-down device used, this is also possible together with the shuttering.



Once the magnets, and the shuttering if applicable, have been precisely adjusted, the magnet is activated using the MagFly® technology by pressing it down with the hand or foot. Its full magnetic force now comes into play.



MagFly® magnets are removed by pulling the eccentric lever sharply upwards (depending on the model). This releases the magnet and sets it back on its feet.



MagFly® universal magnet

The classic among magnetic systems

What is the MagFly® universal magnet?

The MagFly® universal magnet is a real classic. As the very first magnet, it was equipped with the patented MagFly® function, to which it now owes not only its name but also its success.

MagFly® universal magnets can be used for many purposes. Two M16x1.5 threaded holes are provided as standard for fitting adapters and accessories. Alternative threading positions and sizes are possible on request.

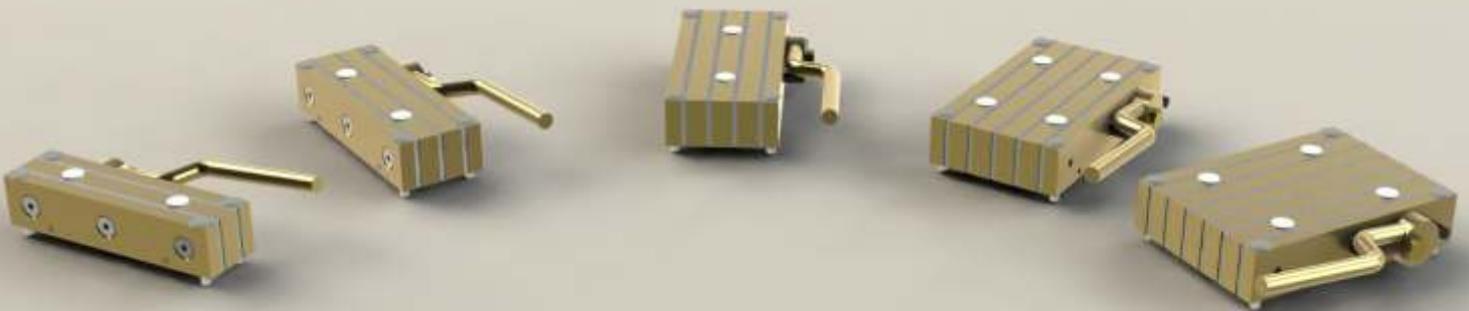
But we also offer a variety of magnetic strengths, sizes and designs to make sure that there is a suitable magnet available in each case for different applications.

MagFly® universal magnets can be used at ambient temperatures of up to 80° C. On request, special heat resistant designs are possible, e.g. for temperatures up to 120° C (type H) and 150° C (type SH).

High quality materials and the tension-resistant design ensure an extremely long working life.

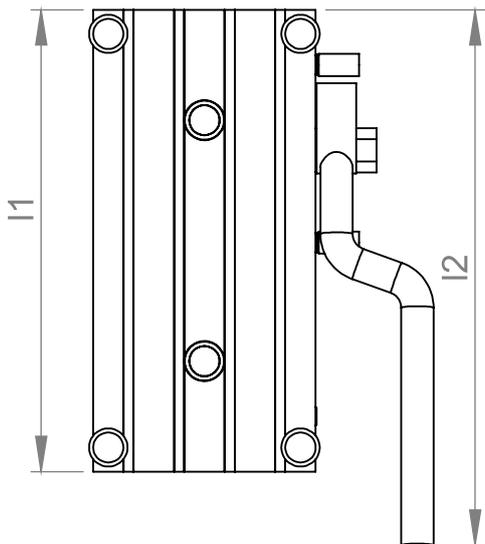
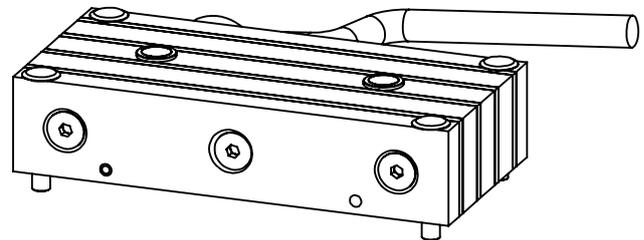
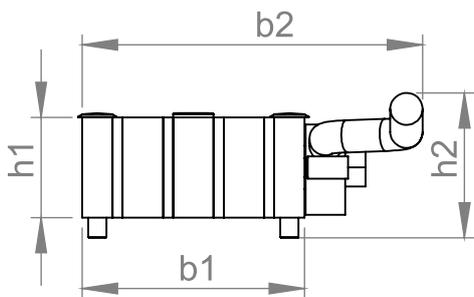
Advantages at a glance

- Ease of handling and precise positioning thanks to integrated MagFly® technology
- No additional tools required for release – the permanently fitted eccentric lever is not only practical, it saves time
- Multi-functional applications due to a comprehensive range of accessories and adapters
- Scalable for a variety of applications as different sizes and magnetic strengths are available according to requirements
- High quality materials and the tension-resistant design ensure an extremely long working life.



Technical data

Description	Mag. force [N]	Weight [kg]	l1 [mm]	l2 [mm]	b1 [mm]	b2 [mm]	h1 [mm]	h2 [mm]
MagFly® 1000 k	11.000	5,0	230	270	60	115	50	65
MagFly® 1600 k	16.000	7,5	230	270	85	140	50	65
MagFly® 2000 k	22.000	10,0	230	270	110	165	50	65
MagFly® 2500 k	27.000	12,5	230	270	135	190	50	65
MagFly® 3000 k	33.000	15,0	230	270	160	215	50	65

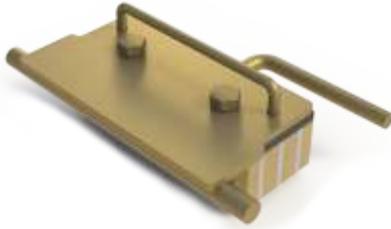


Accessories

With our patented magnetic system you can organise your production flexibly!

Below are some examples of our extensive range of accessories.

Individual adapters are available on request.



MultiForm system adapter



System adapter for BetoRatioForm® shuttering systems in longitudinal or lateral design, with additional stop brackets as an option



Thread pole in different lengths with top fixation



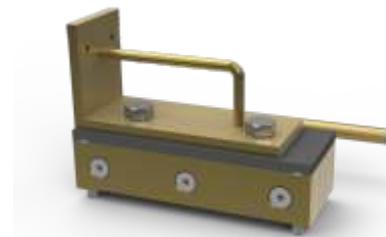
Adapter plate with coarse-threaded nut to take clients' coarse-threaded rods



Retractable adapter, bracing mechanism, optionally with normal or coarse threading



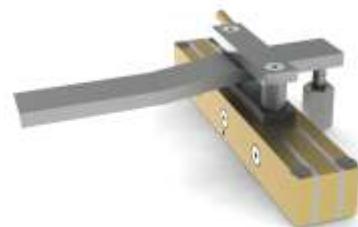
Rack for storing MagFly® clamping magnets with MultiForm adapter



Stop angle for longitudinal or lateral sides



Stop angle for corner connections



Adapter for holding down first shells of double walls during turning process

Individual solutions

with MagFly®

Areas of application:

- 1 MagFly® 2000 as a special design for use in garage formwork and room module shuttering
- 2 MagFly® 1600 – long design with adjustable hold-down device for the application of first shells in double-wall production
- 3 Detailed view of the MagFly® 1600 with hold-down device



Examples of application

with the MagFly® universal magnet

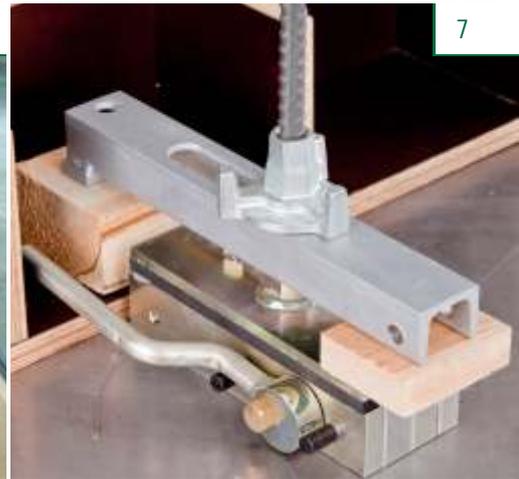
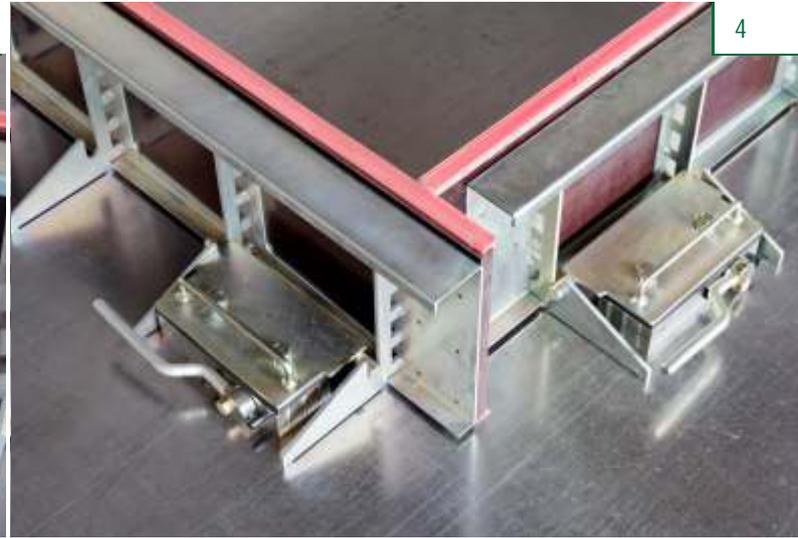
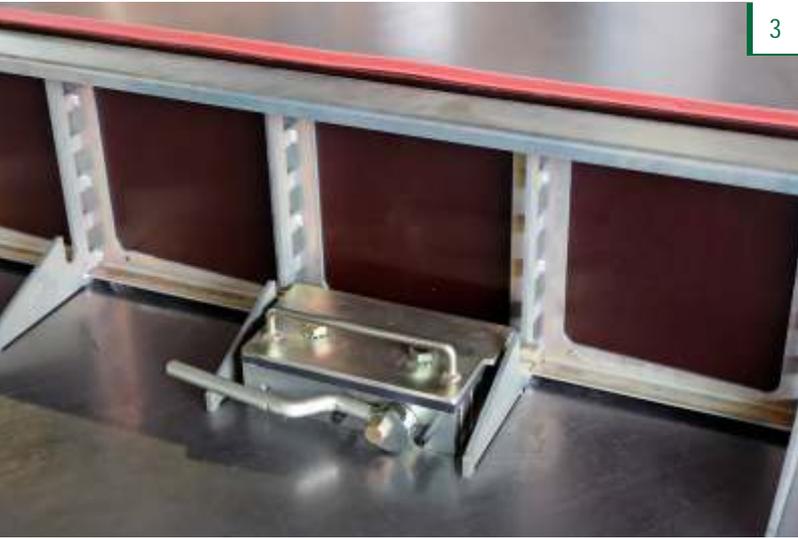
Areas of application:

- 1 MagFly® 1600 with MultiForm type 2
- 2 MagFly® 2000 with adapter and MultiForm type 1
- 3 Solid wall production MagFly® with MultiForm
- 4 Corner design
- 5 MagFly® with thread pole and top fixation
- 6 MagFly® 1600 with system adapter for BetoRatioForm® shuttering
- 7 MagFly® 1600 with adapter plate for coarse-threaded bracing rod
- 8 MagFly® 2000, retractable adapter with coarse threading
- 9 MagFly® and MultiForm on stairway shuttering



Examples of application

with the MagFly® universal magnet



MagFly® AP

Lightweight magnet technology

What is MagFly® AP?

Is it possible to even improve a good and successful clamping magnet? Yes it is! MagFly® AP is the logical development of the well-proven MagFly® universal magnet.

With an aluminium casing, high performance magnet materials and an integrated adapter for MultiForm and FlyFrame® shuttering systems, the new system magnet has come along as both a real powerhouse and a lightweight. With a magnetic force of 22,000 N and a weight of only 5.40 kg it has the best magnetic force to weight ratio of its class worldwide.

And, naturally, the most recent generation of magnets also boasts the proven MagFly® technology for easy positioning and adjustment of shuttering and magnets.

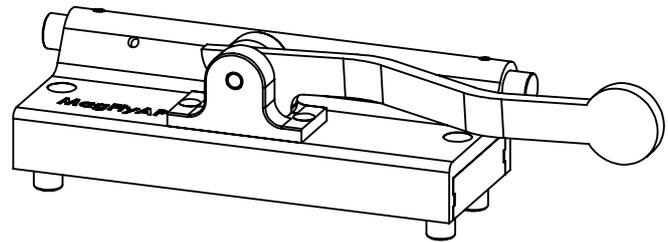
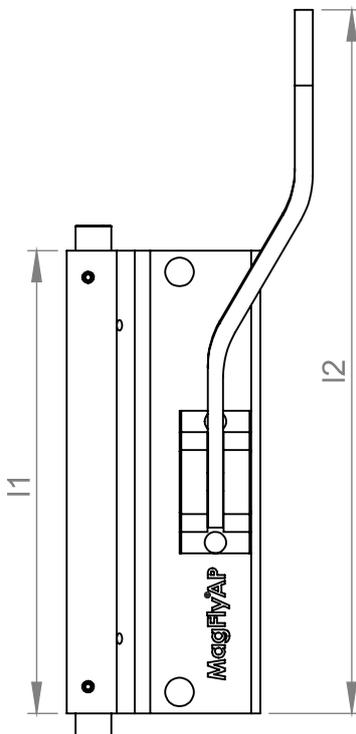
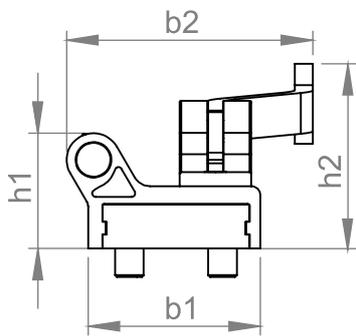
Advantages at a glance

- Good ergonomic design; its low weight and the new type of lever make child's play of carrying and handling
- Extremely light but enormously strong!
- Of course, the new MagFly® AP also offers integrated MagFly® technology for precise positioning
- Accurate fixing of the magnet by light pressure of the hand
- The permanently mounted eccentric lever makes additional tools for releasing the magnet unnecessary
- Compact design with integrated adapter for MultiForm and FlyFrame®



Technical data

Description	Mag. force [N]	Weight [kg]	l1 [mm]	l2 [mm]	b1 [mm]	b2 [mm]	h1 [mm]	h2 [mm]
MagFly® AP	22.000	5,4	260	385	96	130	76	100



Examples of application

MagFly® AP

Areas of application:

- 1 Because of their low weight, up to 4 magnets can now be carried at the same time.
- 2 MagFly® AP with FlyFrame®
- 3 MagFly® AP also offers the patented foot & spring system
- 4 Sandwich wall production with MagFly® AP and FlyFrame®
- 5 Rack system for MagFly® AP magnets
- 6 Production of supports with MultiForm and MagFly® AP on a tilting table
- 7 Use of MagFly® AP magnets in a pallet circulation system
- 8 Handcart for MagFly® AP rack
- 9 Solid wall production with MultiForm and MagFly® AP



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Examples of application

with MagFly® AP

