

## Box Magnet With Push-Button

**Item Type:** EHSM TYPE

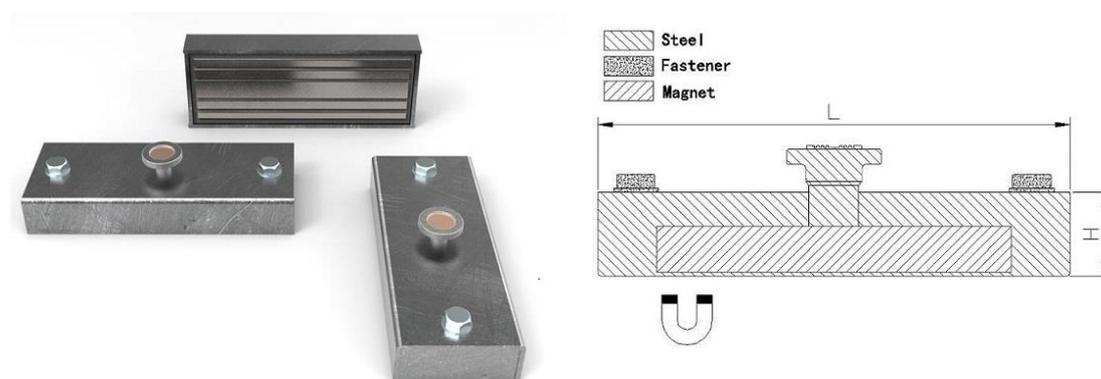
**Material:** N42 Neodymium Magnets, Steel House Shell

**Surface Treatment:** Black Oxidation Treatment, Galvanized Coating or Color Zn

**Max Working Temperature:** 80°C

### Description:

With this magnetic system, wooden or steel formworks can be safely fixed to steel moulds or tables. The product is designed with integrated high-performance magnets with forces from 450 to 2500 kgs. Integrated threads (M16) can be used to adapt special formwork constructions to the boxes. When the magnets are activated, steel springs are pulling the formwork against the basic steel plate.



### Component Structure:



**Advantages / Overview:**

- high forces from 450 to 2500 kg
- integrated automatic mechanism with steel springs
- integrated threads M16 to adapt formwork –same magnet can be used for different purposes
- adapters for your demand can be delivered on request.

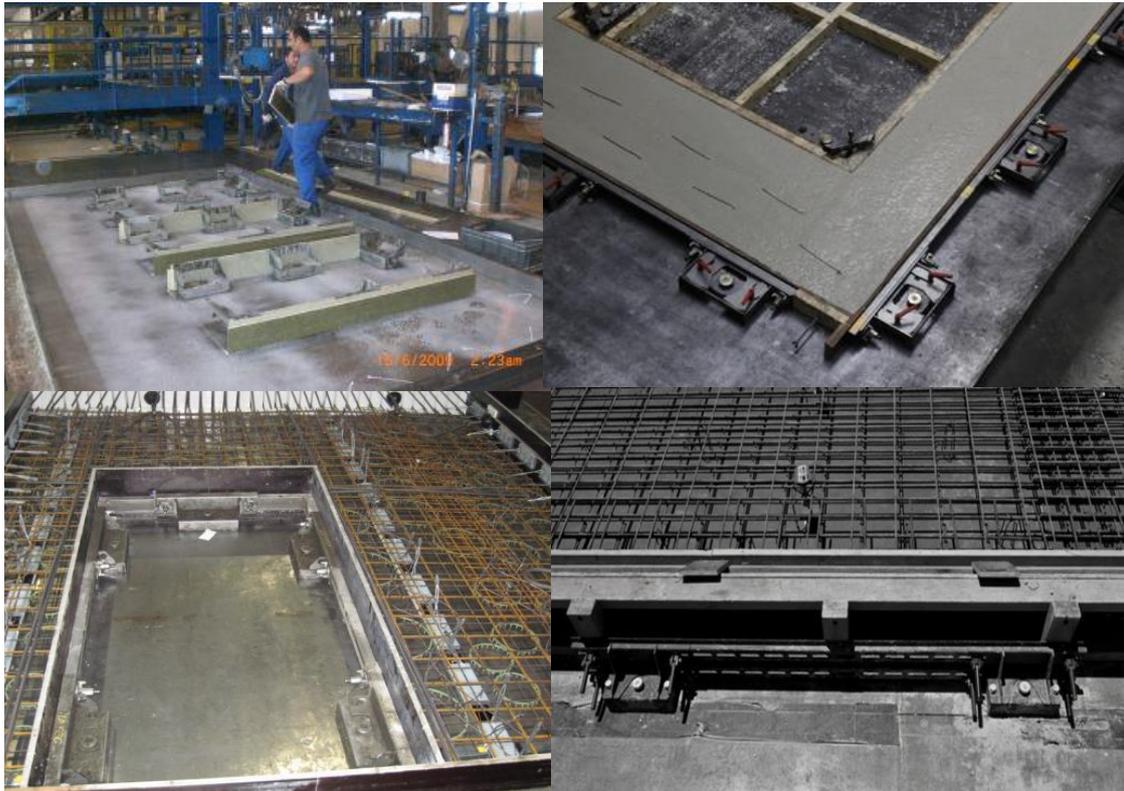
**Regular Specifications:**

| Part No.  | L   | W   | H  | Adhesive force | Weight |
|-----------|-----|-----|----|----------------|--------|
|           | mm  | mm  | mm | KG             | KG     |
| EHSM-450  | 170 | 60  | 40 | 450            | 1.8    |
| EHSM-900  | 280 | 60  | 40 | 900            | 3.0    |
| EHSM-1350 | 320 | 90  | 60 | 1350           | 6.5    |
| EHSM-1800 | 320 | 120 | 60 | 1800           | 7.2    |
| EHSM-2100 | 320 | 120 | 60 | 2100           | 7.5    |
| EHSM-2500 | 320 | 120 | 60 | 2500           | 7.8    |

Notes: Other specifications could be customized.

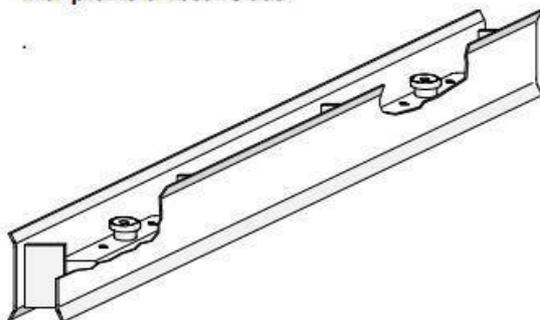
Logo Printing is also available as per requirements.

**Applications:**

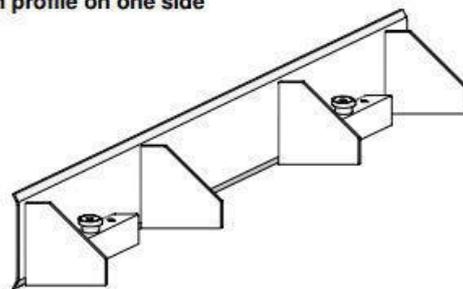


In order to achieve an optimal protection against the penetration of the liquid concrete between profile and formwork and around, the profiles were planed off both down, and above. To ensure rigidity as high as possible, additionally with tie bars strengthened. If necessary, the possibility exists of covering the magnet items to protect them against getting dirty. Available in length up to 4 meters. Other lengths and heights measurements, particularly for your production requirements on request.

**formwork system  
with profile on both sides**



**with profile on one side**



**Versions (cross section):  
(e.g. profiles with different heights)**



### Adaptor Accessories:

Box magnets used to be fixed on the formwork platform or table with all kinds of steel adaptor accessories. The adaptor specifications are decided by customers' platform fixture.



### Releasing Tools:

After project or production finished, the workers needs to release the magnets with a steel bar tool. The steel bar is around about 1 meter long.

