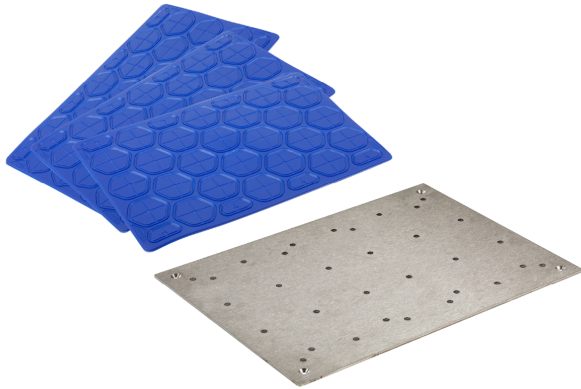
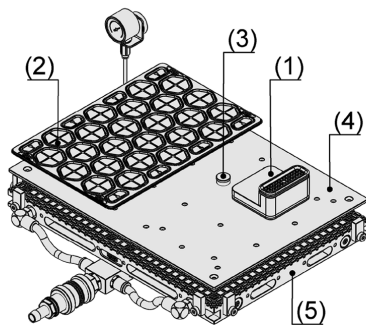


## Innospann Steel-Plate ISST-MPL and FlexMat SFM

Steel-Plate and Flexmat for use on Matrix-Plate MPL



Innospann Steel-Plate ISST-MPL and FlexMat SFM



System design Innospann Steel-Plate ISST-MPL and FlexMat SFM



### Suitability for industry specific applications

#### Application

- Elastomer mat for clamping flat metal or plastic workpieces with vacuum
- For use on the Steel-Plate ISST or other adapter plates with corresponding hole pattern
- The large number of vacuum chambers and the elastomer surface enable complex-shaped workpieces to be clamped securely, even with partial occupancy
- Specially designed for the production of cutouts and machining of the outer contour
- FlexMat SFM easily replaceable as wear item
- Fully compatible with Steel-Plates ISST-MPL and ISST-MPL SFM

#### Design

- Vacuum blocks ISBL made of aluminum (1) with double seal and magnetic pre-fixation on the Steel-Plate
- Schmalz FlexMat SFM (2) for use directly on the Steel-Plate
- Sealing magnets (3) for unused vacuum openings when used with vacuum blocks ISBL
- Steel-Plate with vacuum openings (4)
- Matrix-Plate MPL (5) as basic unit of the modular clamping system

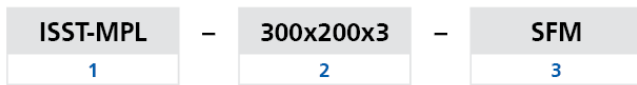
#### Product highlights

- The modular system for use on the Matrix-Plate MPL can be retrofitted as required
- Honeycomb structure of the suction points to increase the usable area for maximum vacuum clamping force
- Milling at partial occupancy due to numerous vacuum chambers with integrated flow resistors
- FlexMat optimized for production of cutouts and inexpensive and quickly replaceable in case of wear
- Elastomer surface with special support withstands strongest lateral forces

Designation code Innospann Steel-Plate ISST-MPL and FlexMat SFM

# Innospann Steel-Plate ISST-MPL and FlexMat SFM

Steel-Plate and Flexmat for use on Matrix-Plate MPL



## 1 – Abbreviated designation

| Code     | Type                         |
|----------|------------------------------|
| ISST-MPL | Steel-Plate for Matrix-plate |

## 2 – Dimensions

| Code         | LxWxH in mm  |
|--------------|--------------|
| 300x200x3... | 300x200x3 to |
| 600x400x3    | 600x400x3    |

## 3 – Product addition

| Code | Type                            |
|------|---------------------------------|
| -    | With sealing magnets for ISBL-A |
| SFM  | Without sealing magnets for SFM |

The Innospann FlexMat system ISST-MPL SFM consists of:

- Steel-Plate ISST-MPL SFM with sealing magnets, glued sealing cord and screws for adaptation on a Matrix-Plate MPL (available separately)
- FlexMat SFM, available in various dimensions

Available spare parts: sealing cord, FlexMat SFM

Available accessories: sealing magnet ISMST

## Ordering data Innospann Steel-Plate ISST-MPL and FlexMat SFM

| Type                   | Part no.       |
|------------------------|----------------|
| ISST-MPL 300x200x3 SFM | 10.01.28.00021 |
| ISST-MPL 400x300x3 SFM | 10.01.28.00022 |
| ISST-MPL 600x400x3 SFM | 10.01.28.00023 |

| Type            | Part no.       |
|-----------------|----------------|
| SFM-298.5x198.5 | 10.01.28.00005 |

## Ordering data Spare parts Innospann Steel-Plate ISST-MPL and FlexMat SFM

| Spare parts                          | Part no.       |
|--------------------------------------|----------------|
| Sealing cord   DI-SCHN 3 MOS CR-20   | 10.07.04.00088 |
| Sealing cord   DI-SCHN 3.5 MOS CR-20 | 10.07.04.00091 |

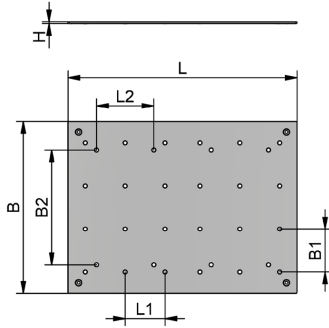
## Ordering data Accessories Innospann Steel-Plate ISST-MPL and FlexMat SFM

| Accessories                        | Part no.       |
|------------------------------------|----------------|
| Sealing magnet   ISMST 19-7 4ISMST | 10.01.14.00847 |

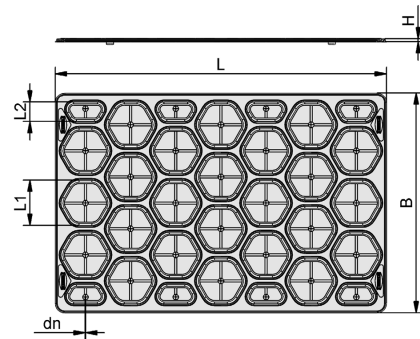
## Innospann Steel-Plate ISST-MPL and FlexMat SFM

Steel-Plate and Flexmat for use on Matrix-Plate MPL

### Design data Innospann Steel-Plate ISST-MPL and FlexMat SFM



ISST-MPL SFM



SFM

## Innospann Steel-Plate ISST-MPL and FlexMat SFM

Steel-Plate and Flexmat for use on Matrix-Plate MPL

### Design data Innospann Steel-Plate ISST-MPL and FlexMat SFM

| Type                   | B [mm] | B1 [mm] | B2 [mm] | H [mm] | L [mm] | L1 [mm] | L2 [mm] |
|------------------------|--------|---------|---------|--------|--------|---------|---------|
| ISST-MPL 300x200x3 SFM | 200    | 69.5    | 100     | 3      | 300    | 75.0    | 200     |
| ISST-MPL 400x300x3 SFM | 300    | 75.0    | 200     | 3      | 400    | 69.5    | 100     |
| ISST-MPL 600x400x3 SFM | 400    | 69.5    | 100     | 3      | 600    | 75.0    | 200     |

| Type            | B [mm] | dn  | H [mm] | L [mm] | L1 [mm] | L2 [mm] |
|-----------------|--------|-----|--------|--------|---------|---------|
| SFM-298.5x198.5 | 199    | 0.4 | 2.5    | 298.5  | 41      | 18      |

### Multimedia product presentation

| Medium        | Link   |
|---------------|--|
| Product video | <a href="https://vimeo.com/701942810">https://vimeo.com/701942810</a><br><a href="https://vimeo.com/810103248">https://vimeo.com/810103248</a> |