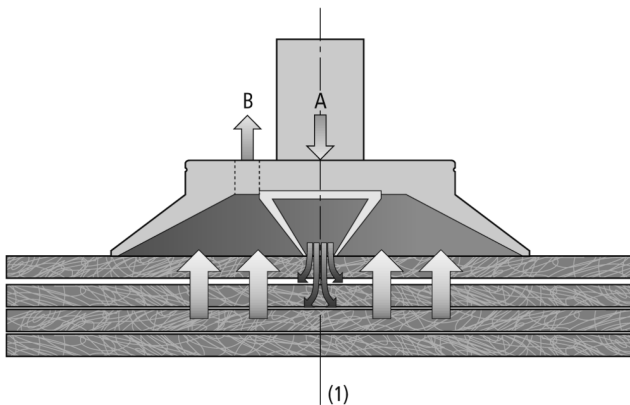
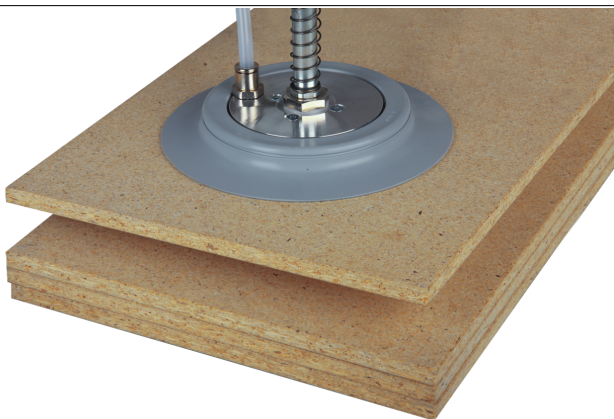


Suction Plates SPC



System design Suction Plates SPC



Suction plates SPC in the handling of pressed wood panels

## Suitability for industry specific applications

### Application

- Round suction plate for handling and separation of flat, porous or absorbent workpieces
- Separation of workpieces by injection of a throttled flow of compressed air into a separate area of the suction cup

### Design

- Robust, wear-resistant suction cup SPC with double sealing lip, consisting of two seals (inner and outer) and aluminum supporting plate
- Seals are clipped securely into the supporting plate with specially shaped sections
- Inner seal separates the central cell for the flow of compressed air from the vacuum area
- When worn, the seals can be replaced separately; the aluminum supporting plate can be re-used
- The supporting plate has one threaded hole in the center (for connection of the compressed air A) for the separation (1) and a second threaded hole towards the edge (for connection of the vacuum B) for gripping
- Series SPC-TV with touch valve: deactivation of unused suction cups to prevent the entry of unwanted air

### Product highlights

- Suction cup with double sealing lip for flat, porous or absorbent materials such as MDF, hard fibre
- Separation function by compressed air impulse prevents self-adhesion when stacking porous boards
- Fastest cycle times thanks to low own volume
- High suction force with small dimensions

## Suction Plates SPC

### Ordering data Suction Plates SPC

| Type                      | Part no.       |
|---------------------------|----------------|
| SPC 250 NBR-55 G1/2-IG TV | 10.01.01.01211 |
| SPC 210 NBR-55 G1/2-IG    | 10.01.01.01187 |
| SPC 210 NBR-55 G1/2-IG TV | 10.01.01.01188 |
| SPC 250 NBR-55 G1/2-IG    | 10.01.01.01189 |
| SPC 160 NBR-55 G1/2-IG    | 10.01.01.01185 |
| SPC 160 NBR-55 G1/2-IG TV | 10.01.01.01186 |

### Ordering data Spare parts Suction Plates SPC

| Type                      | Spare parts       | Part no.       |
|---------------------------|-------------------|----------------|
| SPC 160 NBR-55 G1/2-IG    | DR-SPC 33 HNBR-65 | 10.01.01.11371 |
| SPC 160 NBR-55 G1/2-IG TV | DR-SPC 33 HNBR-65 | 10.01.01.11371 |
| SPC 210 NBR-55 G1/2-IG    | DR-SPC 33 HNBR-65 | 10.01.01.11371 |
| SPC 210 NBR-55 G1/2-IG TV | DR-SPC 33 HNBR-65 | 10.01.01.11371 |
| SPC 250 NBR-55 G1/2-IG    | DR-SPC 33 HNBR-65 | 10.01.01.11371 |
| SPC 250 NBR-55 G1/2-IG TV | DR-SPC 33 HNBR-65 | 10.01.01.11371 |

| Type                      | Spare parts       | Part no.       |
|---------------------------|-------------------|----------------|
| SPC 160 NBR-55 G1/2-IG    | DR-SPC 160 NBR-55 | 10.01.01.01190 |
| SPC 160 NBR-55 G1/2-IG TV | DR-SPC 160 NBR-55 | 10.01.01.01190 |
| SPC 210 NBR-55 G1/2-IG    | DR-SPC 210 NBR-55 | 10.01.01.01191 |
| SPC 210 NBR-55 G1/2-IG TV | DR-SPC 210 NBR-55 | 10.01.01.01191 |
| SPC 250 NBR-55 G1/2-IG    | DR-SPC 250 NBR-55 | 10.01.01.01192 |
| SPC 250 NBR-55 G1/2-IG TV | DR-SPC 250 NBR-55 | 10.01.01.01192 |

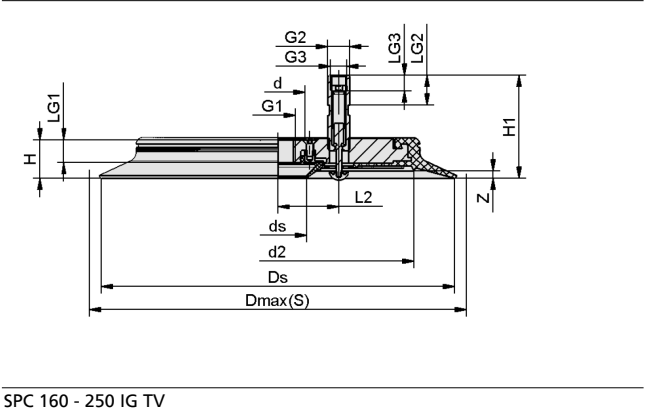
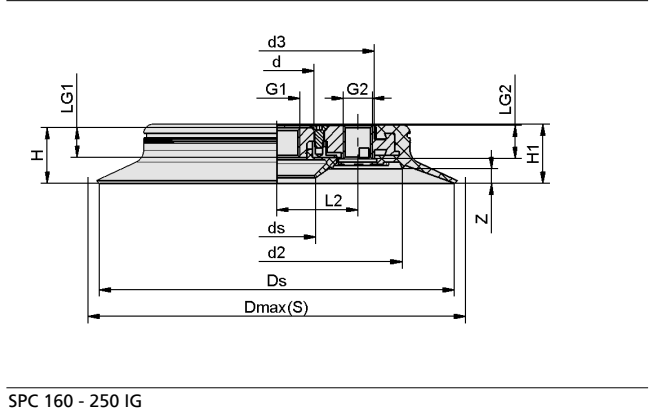
### Technical data Suction Plates SPC

| Type |     |             | Suction force (-600 mbar) [N]* | Suction force d2 [N] | Volume [cm³] | Hose inner diameter (recom.) d [mm]** |
|------|-----|-------------|--------------------------------|----------------------|--------------|---------------------------------------|
| SPC  | 160 | -           | 975                            | 475                  | 156.134      | 12                                    |
| SPC  | 160 | Touch valve | 975                            | 475                  | 156.134      | 9                                     |
| SPC  | 210 | -           | 1,760                          | 1,125                | 193.272      | 12                                    |
| SPC  | 210 | Touch valve | 1,760                          | 1,125                | 193.272      | 9                                     |
| SPC  | 250 | -           | 2,540                          | 1,815                | 387.994      | 12                                    |
| SPC  | 250 | Touch valve | 2,540                          | 1,815                | 387.994      | 12                                    |

\*The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry workpiece surface - they do not include a safety factor

\*\*The recommended hose diameter is based on a hose length of approx. 2 m

 Design data Suction Plates SPC



## Suction Plates SPC

### Design data Suction Plates SPC

| Type                         | d [mm] | d2 [mm] | d3 [mm] | ds [mm] | Dmax(S) [mm]* | Ds [mm] | G1      | G2      |
|------------------------------|--------|---------|---------|---------|---------------|---------|---------|---------|
| SPC 160 NBR-55<br>G1/2-IG TV | 34     | 113     | -       | 33.5    | 162.5         | 160.0   | G1/2"-F | G1/4"-M |
| SPC 160 NBR-55<br>G1/2-IG    | 34     | 113     | 88      | 33.5    | 170.0         | 160.0   | G1/2"-F | G1/4"-F |
| SPC 210 NBR-55<br>G1/2-IG    | 34     | 163     | 138     | 33.5    | 215.0         | 210.0   | G1/2"-F | G1/4"-F |
| SPC 210 NBR-55<br>G1/2-IG TV | 34     | 163     | -       | 33.5    | 215.0         | 210.0   | G1/2"-F | G1/4"-M |
| SPC 250 NBR-55<br>G1/2-IG TV | 34     | 203     | -       | 33.5    | 252.5         | 250.0   | G1/2"-F | G1/2"-M |
| SPC 250 NBR-55<br>G1/2-IG    | 34     | 203     | 178     | 33.5    | 263.0         | 252.0   | G1/2"-F | G1/2"-F |

\*External dimension of the suction cup when it is pressed against the workpiece by the vacuum

| Type                         | G3      | H [mm] | H1 [mm] | L2 [mm] | LG1 [mm] | LG2 [mm] | LG3 [mm] | Z (Stroke) [mm] |
|------------------------------|---------|--------|---------|---------|----------|----------|----------|-----------------|
| SPC 160 NBR-55<br>G1/2-IG    | -       | 25     | 26.0    | 36.5    | 13.5     | 15       | -        | 8               |
| SPC 160 NBR-55<br>G1/2-IG TV | G1/8"-F | 25     | 62.0    | 36.5    | 13.5     | 18       | 6        | 7               |
| SPC 210 NBR-55<br>G1/2-IG    | -       | 23     | 24.5    | 36.5    | 13.5     | 15       | -        | 5               |
| SPC 210 NBR-55<br>G1/2-IG TV | G1/8"-F | 23     | 62.0    | 36.5    | 13.5     | 18       | 10       | 5               |
| SPC 250 NBR-55<br>G1/2-IG    | -       | 25     | 26.5    | 76.0    | 13.5     | 15       | -        | 7               |
| SPC 250 NBR-55<br>G1/2-IG TV | G1/8"-F | 25     | 67.0    | 76.0    | 13.5     | 16       | 12       | 7               |