



HIGH  
SPEED  
DOORS

Dear Sir/Madame,

Thank you for downloading the documentation for our **Dynamicroll Food Inox** high-speed door: the complete high-speed door for applications in the food industry. In this accompanying letter, we wish to briefly inform you about the door. More importantly, we want to let you know that you can contact us for a customized specification, should this not meet your desires.

The included Dynamicroll Food Inox is suitable for internal applications in the food sector. The door is very compact; its design minimizes the risk of dirt accumulation. Moreover, it is entirely made of stainless steel, self-repairing, and equipped with a flexible threshold. The door does not have hard parts in the fabric, which increases safety. Its performance in terms of wind resistance, air permeability, thermal insulation, and durability is high.

This makes the total cost of ownership of this door very low.

The door is equipped with a photocell and anti-crash protection. Furthermore, it features a strip of transparent rectangular windows. The fabric is available in sixteen colors. The control panel is equipped with a control button, an emergency stop button, and a main switch. A push button for the opposite side is provided.

The included specification text describes a standard internal stainless steel door. Of course, many variants are available. For these, please refer to the attached option sheet. We invite you to contact us for a customized specification.

Best Regards,  
**BMP HIGH SPEED DOORS**

The team

All our deliveries/services are subject to the General Terms and Conditions of Sale. The General Terms have been filed with the Chamber of Commerce and are available at our office upon request.



## Standards and classifications

Applicable standards and essential characteristics, EN 13241

- Machinery Directive 2006/42/EC
- EMC DIRECTIVE 2014/30/EU
- LOW VOLTAGE DIRECTIVE 2014/35/EU

Waterproof class 1 according to EN 12425, tested according to EN 12489.

Wind load resistance depending on the size, up to class 4 according to EN 12424, tested according to EN 12444.

Thermal transmittance coefficient  $U = W/m^2.K$ : 6.02, according to EN 12428.

Air permeability class 1 according to EN 12426, tested according to EN 12427.

Safety in vertical opening movement according to EN 12453, tested according to EN 12445.

Mechanical aspects Requirements and test methods in accordance with EN 12604, tested according to EN 12605.

Mechanical reliability according to EN 12604: 1,000,000 cycles, tested according to EN 12605.



### 30.63.11 FLEXIBLE DOOR.

#### 0. FLEXIBLE DOOR.

Manufacturer: BMP HIGH SPEED DOORS.

Type: Dynamicroll high-speed roll-up door.

Position: internal door.

- Opening speed: adjustable, up to 2.0 m/s.
- Closing speed: adjustable, 0.8 m/s.
- Resistant to overpressure and vacuum.
- Daylight width (mm): as per technical drawings.
- Daylight height (mm): as per technical drawings.

#### **Door leaf**

- PVC fabric, matte, 900 grams/m<sup>2</sup>: U = 6.02 W/m<sup>2</sup>K, in RAL .... (see option sheet).

#### **Windows**

- Transparent PVC, rectangular, 850x500 mm up to 1200x500 mm, depending on the daylight width, a single row.

#### **Door frame**

- Base frame in stainless steel 304;
- Covers for the roller, motor, and posts in stainless steel 304.

#### **Guides**

- Hardened polyethylene, PEHD 500;
- Self-lubricating (without lubricants).

#### **Roll-up shaft**

- Aluminum.

#### **Anti-crash**

- Flexible and soft threshold;
- Zip fastening system;
- Re-introduction slots in the guides.

#### **Operation**

- Automatic opening, electrically driven;
- Automatic closing, by gravity.

#### **Control**

- Via 1 push button on the control panel, plus 1 pull button (opposite side).

#### **Safety**

- Photocells, vertically integrated into the door posts;
- Anti-wrap protection.

#### **Drive**

- Frequency-controlled electric motor with reducer, suitable for this type of door, speed, and dimensions;
- Soft start and stop.



### **Control**

- Plastic control panel, IP65;
- Frequency converter;
- Main switch;
- Emergency stop;
- Adjustable timing before automatic closing;
- Lock function between two doors.

### **Accessories**

- Wiring;
- Absolute encoder;
- Emergency operation via crank.

### **Wind Resistance**

- < W 2800 mm x H 2800 mm class 4, EN 12424;
- < W 4800 mm x H 4800 mm class 3, EN 12424;
- < W 5700 mm x H 5700 mm class 2, EN 12424.

### **Air Permeability**

- Class 1, EN 12426.

### **Expected Lifespan**

- 1,000,000 cycles, EN 12604.



## Option Sheet

If you wish to implement any options, please contact us to obtain a customized technical sheet:

[Contact| BMP HIGH SPEED DOORS](#)

### Possible door leaf colors, at no additional cost, approximate:

 RAL 1003 (signal yellow)	 RAL 5012 (light blue)	 RAL 7042 (traffic grey A)
 RAL 1015 (light ivory)	 RAL 6018 (yellow green)	 RAL 8017 (chocolate brown)
 RAL 2004 (pure orange)	 RAL 6026 (opal green)	 RAL 9005 (jet black)
 RAL 3002 (ermine red)	 RAL 7016 (anthracite grey)	 RAL 9010 (pure white)
 RAL 5002 (ultramarine blue)	 RAL 7035 (light grey)	
 RAL 5010 (gentian blue)	 RAL 7037 (dust grey)	

### Air Permeability:

- Class 4, EN 12426.

### Windows:

- Transparent PVC, rectangular, 1200x500 mm or 850x500 mm, .. rows.
- Transparent PVC, with rounded corners, 1200x300 mm or 850x300 mm, two rows / .. rows.
- Transparent PVC, full width, 500 mm high, one row / .. rows.
- Transparent PVC, full vision. Mosquito netting, rectangular, 1200x500 mm or 850x500 mm, one row / .. rows.
- Mosquito netting with rounded corners, 1200x300 mm or 850x300 mm, two rows / .. rows.
- Mosquito netting, full width, 500 mm high, one row / .. rows.
- Mosquito netting, full vision.

### Control:

- 304 stainless steel control panel, IP66;

### Control Components:

- Via radar pulse, type BEA Falcon, bidirectional or unidirectional.
- Via radar pulse, type BEA Condor (with standstill detection), bidirectional or unidirectional.
- Via pull switch, incl. 4 meters of cord, bidirectional or unidirectional.
- Via Tof-spot radar, (range 6m1), bidirectional or unidirectional.
- 1-channel transmitter, push-button type, including receiver for remote control.
- 2-channel transmitter, including receiver for remote control.
- 4-channel transmitter, including receiver for remote control.

**Safety Components:**

- Light curtain barrier in the door posts with anti-wrap protection.

**Frame:**

- Stainless steel 441, including covers over the roller, motor, and posts.
- Stainless steel 316, including covers over the roller, motor, and posts.

**Other Stainless Steel Components:**

- Roll-up shaft, stainless steel 304.
- Brake, stainless steel 304.

**Emergency Action:**

- Emergency operation via UPS including batteries.

**Heating Elements**

**(for use in continuous ambient temperatures below 0 °C):**

- Heating cable at the motor.