



HIGH
SPEED
DOORS

Dear Sir/Madam,

Thank you for choosing the Dynamicroll One, our optimized high-speed roll-up door designed for easy installation and cost competitiveness, ideal for applications in environments such as supermarkets. This brief accompanying letter is intended to provide you with an introduction to the product's features.

The Dynamicroll One is designed for standard indoor applications and stands out for its self-repair capability and the presence of a flexible bottom bar, eliminating rigid components in the panel and thereby significantly enhancing safety. It offers excellent performance in terms of wind resistance, air permeability, thermal insulation, and durability, factors that contribute to reducing the total cost of ownership.

Additional features include a photocell and protection against unwinding, along with a transparent strip with rectangular windows that enhances visibility. The curtain is available in sixteen different colors, and the base frame is galvanized for increased durability. Controls are integrated directly into the motor, giving the door a compact design. Also included as standard are a control button and an emergency button, as well as an additional button on the opposite side.

For further details, we invite you to refer to the attached technical specifications and options sheet. If the standard configurations do not meet your specific requirements, please feel free to contact us to discuss detailed customization.

We hope that the Dynamicroll One meets all your expectations, and we are available for any further information or assistance.

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 and Conditions 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/EC
- Directive 2014/35/EC - Low Voltage

Water tightness class 0 compliant with EN 12425, tested according to EN 12489.

Wind load resistance dependent on dimensions, up to class 1 compliant with EN 12424, tested according to EN 12444.

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

Air permeability class 0 compliant with EN 12426, tested according to EN 12427.

Safety of vertical movement opening compliant with EN 12453, tested according to EN 12445.

Mechanical aspects - Requirements and test methods compliant with EN 12604, tested according to EN 12605.

Mechanical operational 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 ONE high-speed roll-up door.

Position: indoor door.

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- Opening speed: adjustable, maximum 1.2 m/s.
- Closing speed: adjustable, 0.8 m/s.
- Clear opening width (mm): as indicated in the project drawings.
- Clear opening height (mm): as indicated in the project drawings.

Door leaf

- Opaque PVC fabric, 900 grams/m²: U = 6.02 W/m²K, in RAL ... (see options sheet).

Windows

- Transparent PVC, rectangular, from 850x500 mm to 1200x500 mm, depending on the width of the clear opening, single row.

Door frame

- Galvanized frame;
- Column covers, galvanized;
- Excludes covers on roller and motor.

Guides

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

Roll-up shaft

- Aluminum.

Anti-collision

- Flexible and soft bottom beam;
- Zip attachment;
- Reintroduction grooves in the guides.

Operation

- Automatic opening, electrically powered;
- Automatic closing, gravity.

Control

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

Safety

- Photocells, embedded in the frame and crossing the door panel;
- Anti-unrolling device.

Motor

- Frequency-adjustable electric motor with reducer, specific to this type of door, speed, and dimensions;
- Soft start and stop.

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**Control**

- Powder-coated steel control box, integrated;
- Emergency stop;
- Adjustable timed setting before automatic closure.

Accessories

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

Wind resistance

- < B 3000 mm x H 3500 mm class 1, EN 12424.

Air permeability

- Class 0, 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 personalized technical sheet:

[Contacts | BMP HIGH SPEED DOORS](#)

Possible door 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)	

Windows:

Transparent PVC, rectangular, 1200x500 mm or 850x500 mm, .. panels.

Transparent PVC, with rounded corners, 1200x300 mm or 850x300 mm, two panels / .. panels.

Transparent PVC, full width, 500 mm high, one panel / .. panels.

Transparent PVC, full vision.

Insect screen, rectangular, 1200x500 mm or 850x500mm, one panel / .. panels.

Insect screen with rounded corners, 1200x300 mm or 850x300 mm, two panels / .. panels.

Insect screen full width, 500 mm high, one panel / .. panels.

Insect screen, full vision.

Control Components:

Via radar impulse, BEA Falcon type, bilateral or unilateral.

Via radar impulse, BEA Condor type (with stop detection), bilateral or unilateral.

Via pull switch, incl. 4-meter cord, bilateral or unilateral.

Via Tof-spot radar, (range 6m1), bilateral or unilateral.

1-channel transmitter, start button type, including remote control receiver.

2-channel transmitter, including remote control receiver.

4-channel transmitter, including remote control receiver.

Safety Components:

Light bar, embedded in the frame and traversing the door panel.

Light bar, embedded in the frame and traversing the door panel, in combination with anti-reflux protection.

Covers:

Cover on the coil, galvanized.

Cover on the coil, stainless steel in accordance with the structure.

Cover on the motor, galvanized.

Cover on the motor, stainless steel in accordance with the structure.



Frame:

- - Galvanized base frame, covers painted in a non-standard RAL color: RAL
- - Base frame and covers painted in a non-standard RAL color: RAL
- - Stainless steel 441.
- - Stainless steel 304.
- - Stainless steel 316.

Other stainless steel components:

- - Winding shaft, stainless steel 304.
- - Brake, stainless steel 304.

Emergency control:

- - Emergency control via UPS including batteries.