



HIGH  
SPEED  
DOORS



**FOOD INOX**

# TECHNICAL DATA



**HIGH SPEED**  
2,5 m/s



**HIGH SAFETIES**



**SELF-REPAIRING**



**OIL FREE**



**WATER DRAIN**



**WASHABLE**



**GRAVITY TECHNOLOGY**

<b>MAXIMUM DIMENSIONS</b>	W 6500 mm x H 6500 mm
<b>SPEED</b>	up to 2,5 m/s
<b>CYCLES TEST</b>	1.000.000
<b>WIND RESISTANCE</b>	3000 x 3000 Class 3 5000 x 5000 Class 2
<b>STRUCTURE</b>	Not self-supporting
<b>FRAME / MOTOR COVER HOOD</b>	<b>Standard</b> Stainless Steel 441
	<b>Optional</b> Stainless Steel 304/316
<b>CURTAIN</b>	<b>Standard</b> PVC curtain 900 gr/m <sup>2</sup>
	<b>Optional</b> • Translucent 35/40% • FDA (white) • Antistatic
<b>SLIDING SYSTEM</b>	Patented sliding system with high density Polyzene self-lubricant equipped of sliding zipper directly on curtain
<b>CONTROL PANEL</b>	<b>Standard</b> PVC box (300 x 400 x 150 mm)
	<b>Optional</b> • Stainless Steel • Powder coated steel box IP54 (300 x 500 x 150 mm)
	Inverter system 50/60 Hz with absolute encoder
	Power supply 1-ph, 230V max 16A
	Power supply 3-ph, 400V max 10A
	Power supply 3-ph, 230V max 16A
	Start/Stop Button
	2 free contacts (door open/ closed/ alert)
	Automatic/ Manual Interlocking between 2 doors
	IP rating for motor and control panel IP54
<b>WIRING</b>	Plug and Play system IP65
<b>SAFETIES</b>	<b>Standard</b> • Photocells set IP65 • Anti-jam sensor reverse
	<b>Optional</b> • WiFi safety edge IP65 • Multi ray light curtain barrier H 2500 IP67
<b>EMERGENCY OPENING</b>	<b>Standard</b> Hand crank
	<b>Optional</b> Chain system UPS battery
<b>ADVISING OPERATIVE TEMPERATURE</b>	Operating till -30 C°* with heating kit added - Not apt to be installed in negative/positive temperature

**DYNAMICROLL® FOOD INOX** is a self-repairing roll up door, with specific features to satisfy all Food process requirements.

Designed with special attention to hygiene. This door has Food certifications in several countries. Characterized by the Stainless Steel frame and designed to prevent the build up of collecting of liquid, dust or any impurity on the frame, this door is washable in all parts respecting the hygienic restrictions of the field. Its speed will let the door maintain the different characteristics of the environment they are located in.

## EN13241 CERTIFICATION

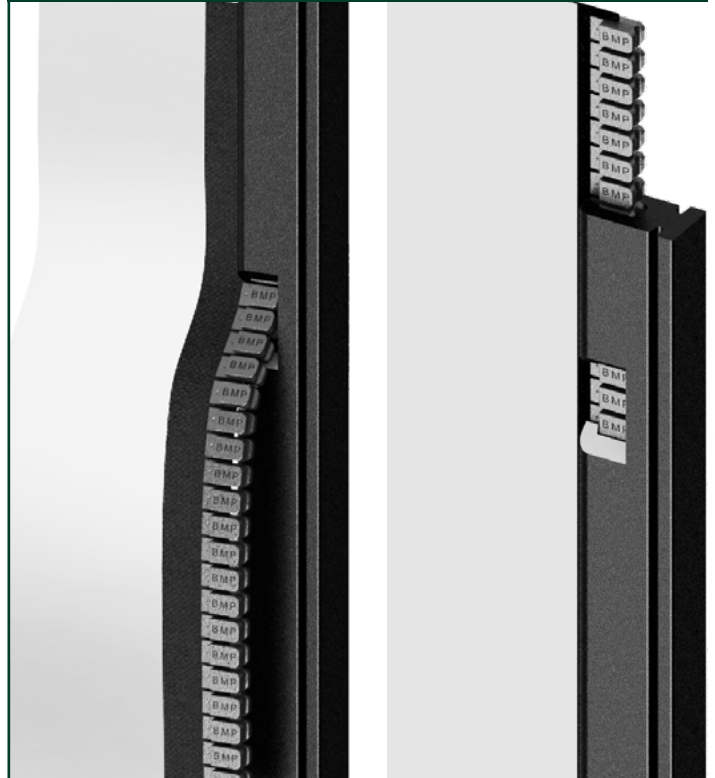
STANDARD	RIF.	TEST ACC.	RESULTS
<b>WATER PERMEABILITY</b>	EN 12425	EN 12489	Class 1
<b>WIND LOAD</b>	EN 12424	EN 12444	Maximum Class 4
<b>WIND PERMEABILITY</b>	EN 12426	EN 12427	Class 1
<b>SAFE OPENINGS</b>	EN 12453	EN 12445	✓
<b>MECHANICAL RESISTANCE</b>	EN 12604	EN 12605	✓
<b>UNINTENDED MOVEMENTS</b>	EN 12604	EN 12605	✓
<b>THERMAL TRANSMITTANCE</b>	EN 12428	EN 12428	6,02 W/m <sup>2</sup> K
<b>PERFORMANCE (CYCLES)</b>	EN 12604	EN 12605	1.000.000

Values can change depending on door dimensions

# ADVANTAGES

- Self-repairing
- Rapid
- Sealing
- Noiseless
- No rigid elements inside the curtain for 100% safety
- Plug & Play (easy to install)
- Low maintenance
- Energy savings
- Washable
- Hygienic

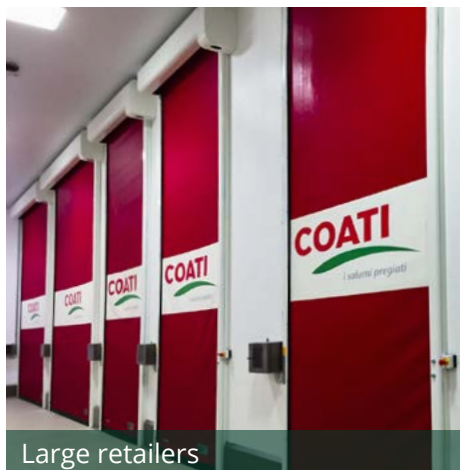
## SLIDING SYSTEM / SELF-REPAIRING



# APPLICATIONS



Food and agriculture industry



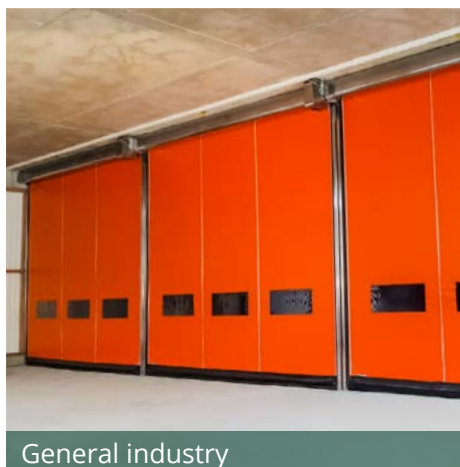
Large retailers



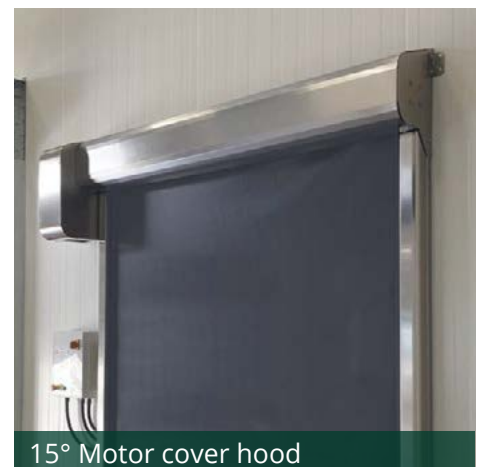
Chemical



Pharmaceutical

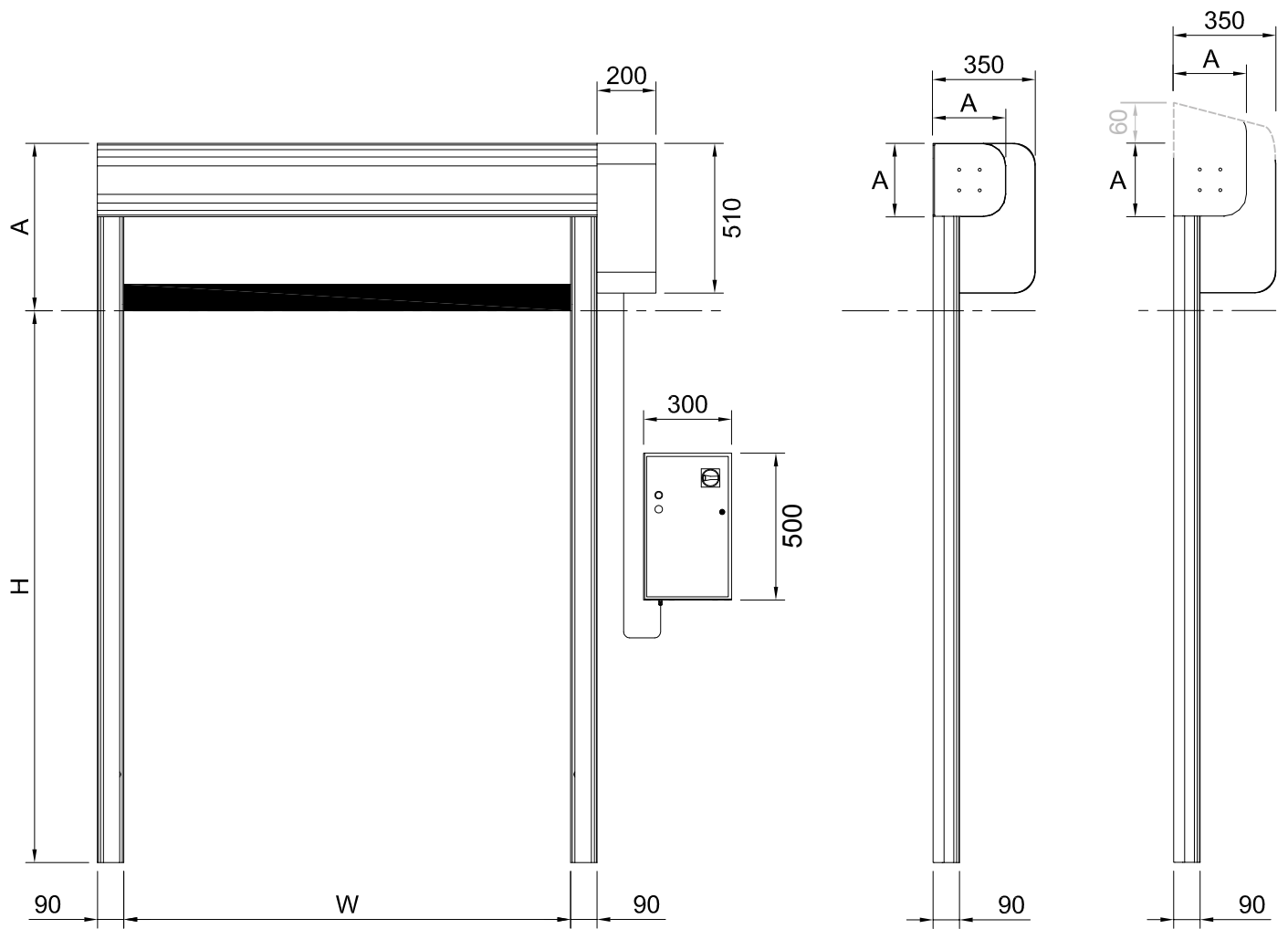


General industry



15° Motor cover hood

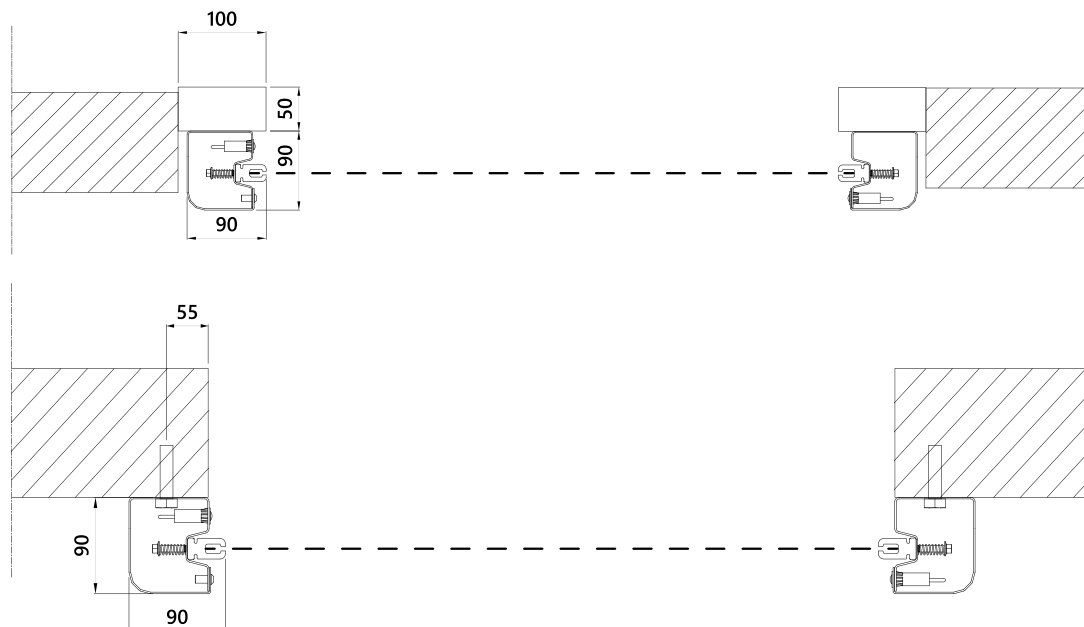
# DOOR SPACE REQUIREMENTS



< H 3000 A = 250  
> H 3000 A = 350

15° motor cover hood option

## FIXING DETAILS



# PVC CHARACTERISTICS

## STANDARD PVC

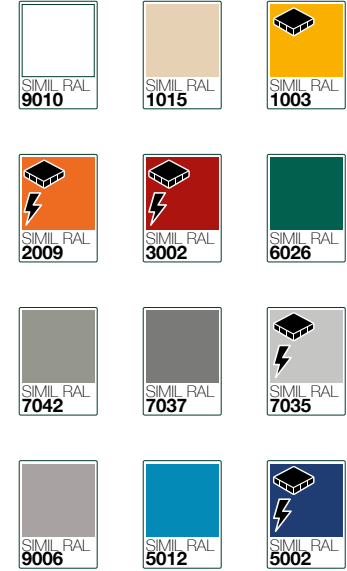
### Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Opaque	12 standard	0,7 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	900 g/m <sup>2</sup>
INTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Rough	12 standard	0,2 mm
COLD RESISTANCE			
ISO 4675/90 -50°C ±5			
HYDROLYSIS TEST			
75°C 95% humidity none variation			
GAS OIL TEST			
ISO 1421 none variation			
MARINE WATER TEST			
(ISO 1421) none variation			
OZONE TEST			
ISO 3011 none crack			
T. STORAGE			
(°C) -30 +65			
FLAME TEST			
(ISO 3795) < 100 mm/min			
PERFORATION			
RINA 3.A1.2.7 (N) > 100			
EXERCISE 7 days -70°C			
ISO 6065 none variation			

### Characteristics

THICK	
ISO 2286/3	(mm) 0,9±0,1
WEIGHT	
ISO 2286/2	(kg/m <sup>2</sup> ) 0,90±0,1
LOAD BREAK	
ISO 1421	6000 N/50mm
WARP EXTENSION	
ISO 1421	4300 N/50mm
TEXTURE EXTENSION	
ISO 1421	4000 N/50mm
WARP BREAK	
dIN 53 363	(N) > 600
TEXTURE BREAK	
dIN 53 363	(N) > 530
ADHESION	
dIN EN ISO 2411	130 N/50mm
EEC CONFORMITY	
-	Yes
SPECIFIC USE	
industry, refrigerators, car washes, supermarkets, warehouses	
ASSOCIATION	
-	-

### Colors



 Insulated available

 Antistatic available

## INSULATED PVC

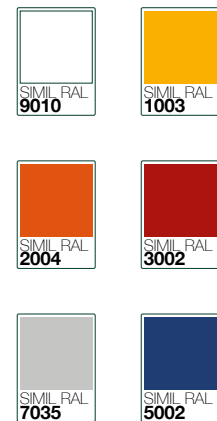
### Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Straight	4 standard	0,5 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	1350 g/m <sup>2</sup>
INTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Sponge	4 standard	7 mm
COLD RESISTANCE			
ISO 4675/90 -10°C ±5			
HYDROLYSIS TEST			
75°C 95% humidity none variation			
GAS OIL TEST			
ISO 1421 none variation			
MARINE WATER TEST			
(ISO 1421) none variation			
OZONE TEST			
ISO 3011 none crack			
T. STORAGE			
(°C) -30 +65			
FLAME TEST			
ISO 3795 cl 2, NFPA 701 test 2			
PERFORATION			
RINA 3.A1.2.7 (N) > 100			
EXERCISE 7 days -70°C			
ISO 6065 none variation			

### Characteristics

THICK	
ISO 2286/3	(mm) 7,0±0,1
WEIGHT	
ISO 2286/2	(kg/m <sup>2</sup> ) 1,7±0,1
LOAD BREAK	
ISO 1421	6000 N/50mm
WARP EXTENSION	
ISO 1421/V1	3000 N/50mm
TEXTURE EXTENSION	
ISO 1421/V1	2800 N/50mm
WARP BREAK	
dIN 53 363	300 N
TEXTURE BREAK	
dIN 53 363	300 N
ADHESION	
PA 09.03 (internal)	15 N/cm
THERMAL CONDUCTIVITY	
-	0,03782 W.m <sup>-1</sup>
ISOLATION INDEX	
-	Rw= 17,5 dB
EMPLOYMENT	
industry, refrigerators, car washes, supermarkets, warehouses	
ASSOCIATION	
-	-

### Colors



## TECNICAL DATA

### Composition and tests

TOP FACE COATING			
Material	Finish	Color	Thickness
PUR	Opaque	white	0,6 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PET	1	2200 Dtex 12x12	1500 g/m <sup>2</sup>
UNDERSIDE COATING			
Material	Finish	Color	Thickness
PUR	Plain	white	0,6 mm
COLD RESISTANCE			
ISO 4675/90 -30°C ±5			
TROPICAL TEST			
75°C 95% humidity none variation			
DIESEL FUEL TEST			
ISO 1421 none variation			
SEA WATER TEST			
ISO 1421 none variation			
OZONE TEST			
ISO 3011 none crack			
T. STORAGE			
(°C) -30 +65			
ABRASION			
ISO 5470/80, 5N C517 400 cycles (mg) 1			
PUNCTURE			
RINA 3.A1.2.7 (N) > 125			
AGEING 7 days -70°C			
ISO 6065 none variation			

### Characteristics

THICKNESS	
ISO 2286/3 (mm) 1,20±0,1	
WEIGHT	
ISO 2286/2 (kg/m <sup>2</sup> ) 1,30±0,1	
TENSILE STRENGTH WARP	
ISO 1421 6000 N / 50mm	
ELONGATION YARN	
ISO 1421 [%] > 14	
ELONGATION WEFT	
ISO 1421 [%] > 20	
TEAR RESISTANCE WARP	
dIN 53 363 (N) > 250	
TEAR RESISTANCE WEFT	
dIN 53 363 (N) > 220	
PEELING TEST	
dIN EN ISO 2411 130 N/50mm	
FDA COMPLIANCE CEE	
Yes	
SPECIFIC USE	
cleanrooms, clinical, hospital	
ASSOCIATION	
<b>DynamicRoll</b>	

### Disclaimer

The information contained in this document describes the features of the BMP EUROPE product as tested in a laboratory, other indications excepted, environment at a temperature of +23 degrees c° at 50% relative humidity. It does not necessarily reflect the conditions of industrial use and it does not guarantee the product to be suitable for certain applications. The client remains liable for the proper selection and correct use of the BMP EUROPE product. BMP EUROPE cannot be held responsible should damages arise from the use of its products. Necessary alterations to this data can be made without prior notice.

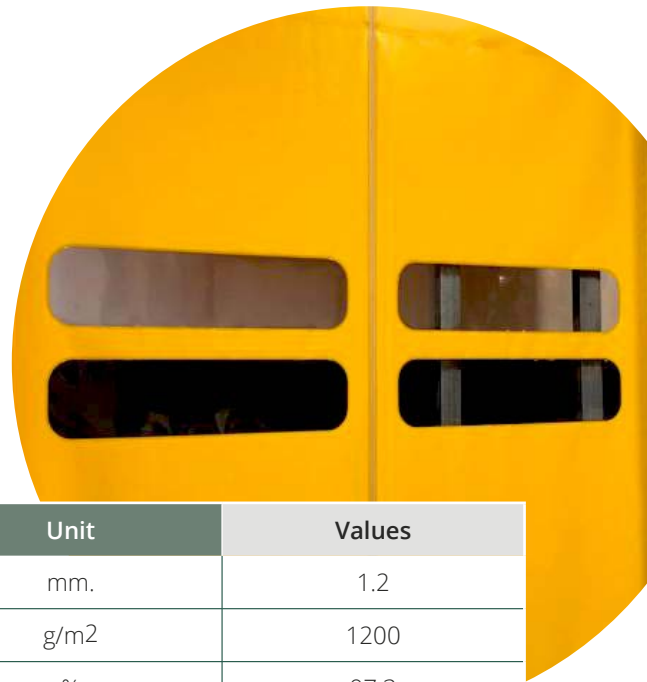
## CRISTAL CHARACTERISTICS

### PVC SUPERCLEAR

#### WINDOWS - CRISTAL TECHNICAL DATA

Article : SUPERCLEAR 1.2 mm FR

Technical Specifications	Standards	Unit	Values
Thickness	-	mm.	1.2
PVC total weight	-	g/m <sup>2</sup>	1200
Ligth transmission	JIS K - 7361	%	97.3
Tensile strength <i>Lenghtwise MD</i>	JIS K - 6732	N	26.1
Tensile strength <i>Crosswise TD</i>	JIS K - 6732	N	24.3
Tear strength <i>Lenghtwise MD</i>	JIS K - 6732	N	63.4
Tear strength <i>Crosswise TD</i>	JIS K - 6732	N	63.9
Elongation <i>Lenghtwise MD</i>	JIS K - 6732	%	377
Elongation <i>Crosswise TD</i>	JIS K - 6732	%	378
Cold crack resistance	JIS K - 6772	°C	-45



# OPTIONAL ACCESSORIES



## RADAR



OPENING POINTING RADAR  
TOF/SPOT  
for internal use only



INFRARED RADAR  
with cross-movement  
adjustment



INFRARED RADAR  
motion and presence  
(pedestrian/forklift) radar

## TRAFFIC LIGHTS



GREEN FIXED STANDARD  
traffic light



RED FIXED STANDARD  
traffic light



LED TRAFFIC LIGHT  
with countdown



LED TRAFFIC LIGHT BARRIERS  
(connection card included)

## BUTTONS



OPENING GREEN BUTTON  
with box



OPENING BLACK BUTTON  
with box



FREEZE STOP BUTTON  
with box



NO TOUCH BUTTON



WIND  
GAUGE



KEY  
SELECTOR



REMOTE  
CONTROL



BOLLARD  
B-PROTECT



PULL CORD  
SWITCH



MAGNETIC LOOP  
DETECTOR

Quality products since 1997

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