



DYNAMICROLL® MS 150

DESCRIPTION

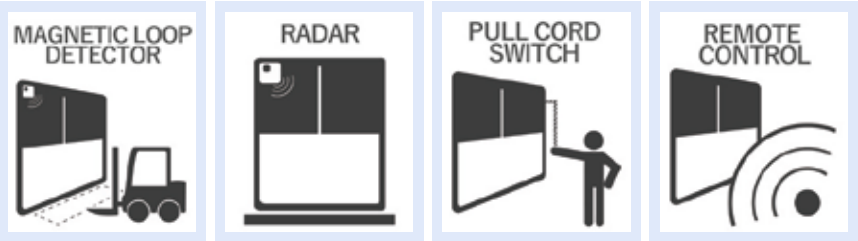
DynamicRoll® **MS 150** is a roll up door for applications where it's needed a protective mechanical barrier to protect machineries and automated lines.

Equipped with a Safety Micro switch installed in the bottom part of column (accessible), that assures a signal of door closed separately to the control panel.

The curtain is equipped with lateral zippers that assures the sealing of all door columns full height, for ideal protection.

APPLICATION

- Door ideal for:
- ✓ Industry
 - ✓ Automated production lines
 - ✓ Conveyor lines



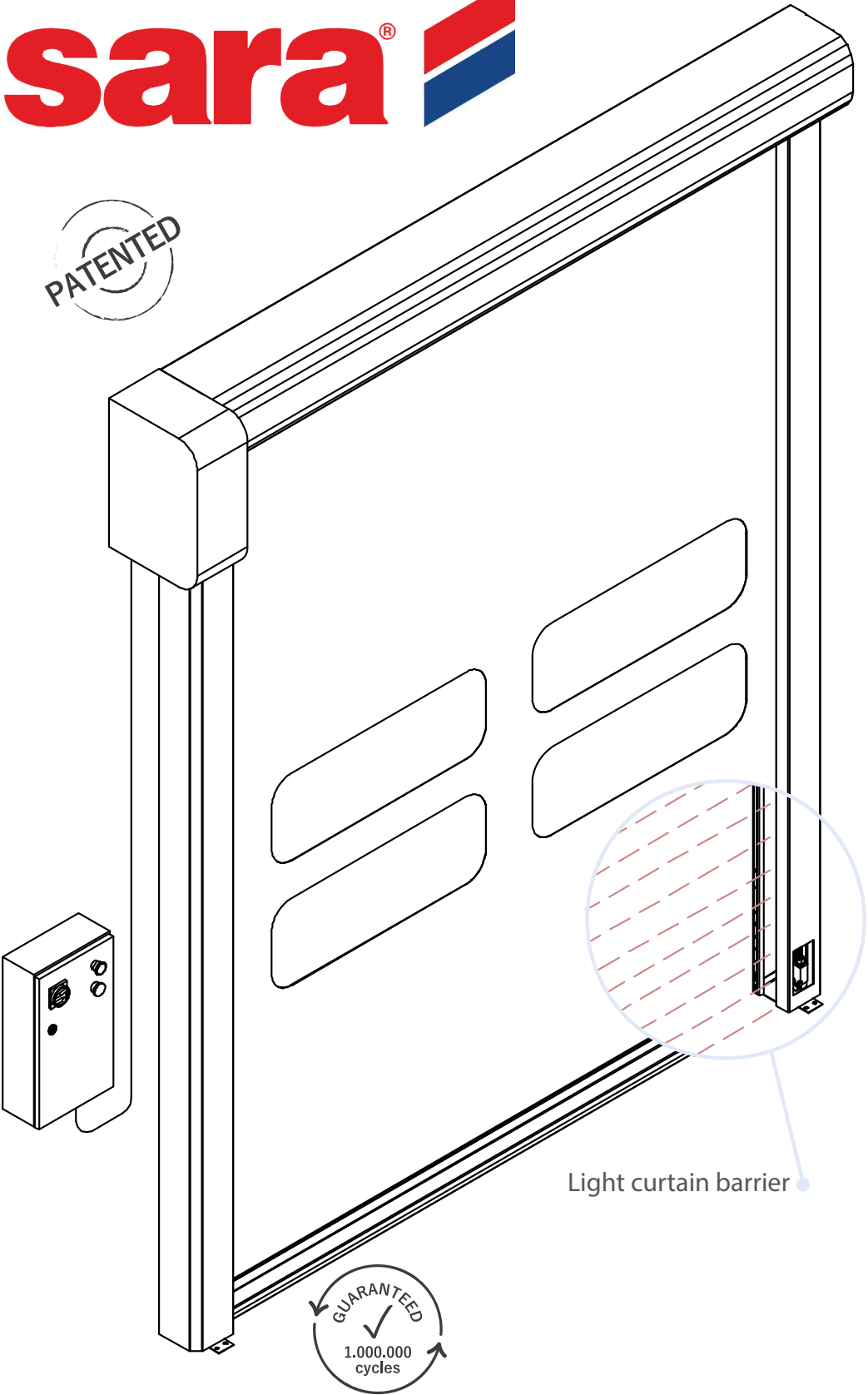
ADVANTAGES

- ✓ Rapid
- ✓ Sealing
- ✓ Noiseless
- ✓ No rigid elements inside the curtain for 100% safety
- ✓ Plug & play (easy to install)
- ✓ Low maintenance
- ✓ Energy savings

EN13241/CE

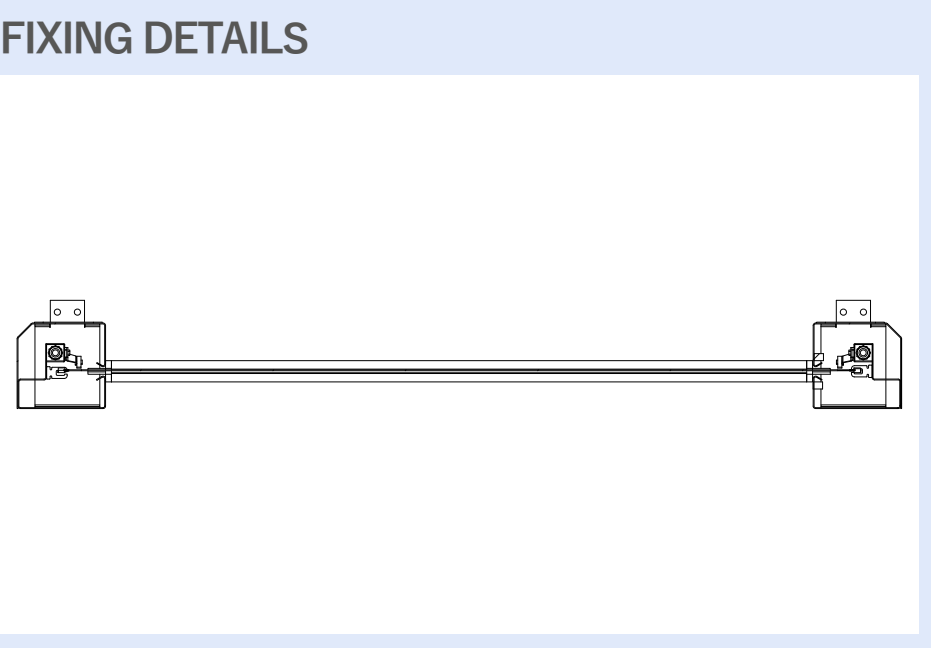
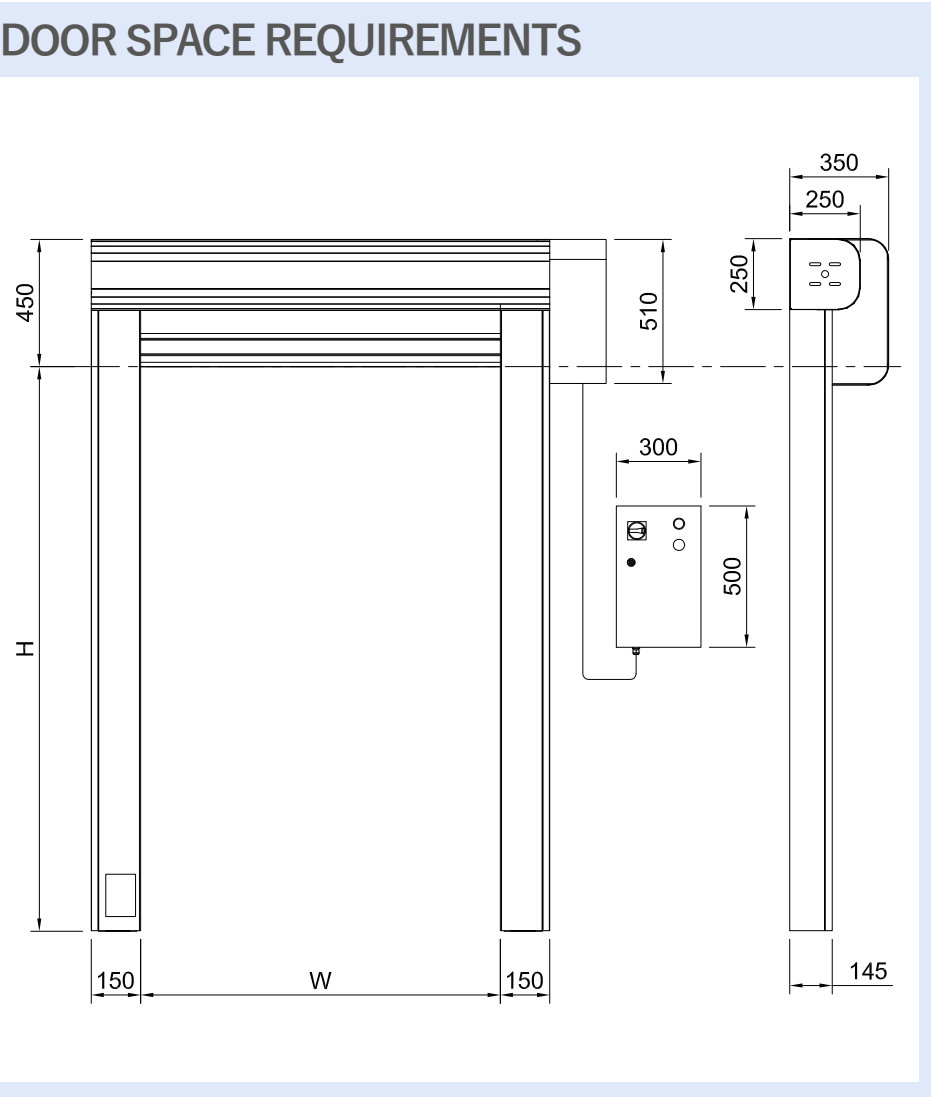
Standard	Ref.	Test acc.	Results
Water permeability	EN 12425	EN 12489	Class 2
Wind load	EN 12424	EN 12444	Class 4
Wind permeability	EN 12426	EN 12427	Class 1
Safe openings	EN 12453	EN 12445	✓
Mechanical resistance	EN 12604	EN 12605	✓
Unintended movements	EN 12604	EN 12605	✓
Thermal transmittance	EN 12428	EN 12428	6,02 W/m²K
Performance (cycles)	EN 12604	EN 12605	1.000.000

VALUES CAN CHANGE DEPENDING ON DOOR DIMENSIONS



FEATURES	
Maximum dimensions	W 6000 mm x H 5000 mm
Speed	Max opening speed up to 1,8 m/s
	Closing speed 0,8 m/s
Wind resistance	3000 x 3000 Class 4
Structure	Not self-supporting
Frame / motor cover hood	Standard: Galvanized Steel
	Optional: Powder coated Steel Stainless Steel 441/ 316
Curtain	Standard: PVC curtain 1300 gr/m², 6 W/m²K
	Optional: Insulated 7 mm, 3.3 W/m²k Translucent 35/40% FDA (white) Antistatic
Control panel	Standard: Powder coated Steel box IP54 (300 x 500 x 150 mm)
	Optional: Stainless Steel PVC box IP65 (300 x 400 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
	Star/Stop Button
	2 free contacts (door open/ closed/ allarme)
	Automatic/ Manual Interlocking between 2 doors
	IP rating for motor and control panel IP54
Wiring	Plug and Play system IP65

FEATURES	
Safeties	Standard: Multi ray light curtain barrier H2500 IP67
Emergency opening	Standard: Hand crank
	Optional: Chain system Counterweight system UPS Battery
Advising operative temperature	Operating till - 30° C * with heating kit added - Not apt to be installed in negative/positive temperature
Cycles (EN 12604)	1.000.000 (tested)



AVAILABLE COLOURS	Simil RAL 9010		Simil RAL 2004		Simil RAL 7042		Simil RAL 5012	
	Simil RAL 1015		Simil RAL 3002		Simil RAL 7037		Simil RAL 5002	
	Simil RAL 1003		Simil RAL 6026		Simil RAL 7035			



DynamicRoll® MS 150



DynamicRoll® MS 150 is designed to create a protective mechanical barrier for machineries and automated lines. Equipped with a Safety Micro switch installed in the bottom part of column (accessible), that assures a signal of door closed separately to the control panel.

DynamicRoll® MS 150 è progettata per situazioni in cui è richiesta una barriera meccanica a protezione di macchinari o linee automatizzate. La porta è dotata di Micro di sicurezza nella parte inferiore del montante (ispezionabile) e garantisce un segnale di porta chiusa ridondante al circuito di comando.



TECHNICAL DATA / DATI TECNICI

Maximum door size (W x H) / Dimensioni massime (L x H)	6000 x 5000 mm	Opening speed / Velocità d'apertura	~ 1,8 m/sec.
		Closing speed / Velocità di chiusura	0,8 m/sec.
Wind load / Resistenza al vento:	Class 4 / Classe 4	Applications / Applicazioni	Inside and outside / Interno ed esterno

Technical data

PVC CURTAIN / TELO PVC 1,3 mm - 1300 gr/m²

Simil RAL 9010 ☐	Simil RAL 2004 ☐	Simil RAL 7042 ☐	Simil RAL 5012 ☐
Simil RAL 1015 ☐	Simil RAL 3002 ☐	Simil RAL 7037 ☐	Simil RAL 5002 ☐
Simil RAL 1003 ☐	Simil RAL 6026 ☐	Simil RAL 7035 ☐	

Simil RAL 9010 ☐	Simil RAL 3002 ☐	Simil RAL 7035 ☐	Simil RAL 9005 ☐
Simil RAL 1015 ☐	Simil RAL 8014 ☐	Simil RAL 7037 ☐	Simil RAL 5010 ☐
Simil RAL 1003 ☐	Simil RAL 6026 ☐	Simil RAL 7042 ☐	Simil RAL 5002 ☐
Simil RAL 2004 ☐	Simil RAL 6018 ☐	Simil RAL 9006 ☐	Simil RAL 5012 ☐

PVC CURTAIN / TELO PVC 0,9 mm - 900 gr/m²



INSULATED CURTAIN / TELO COIBENTATO 3,5 mm - 1300 gr/m²

Simil RAL 9010 ☐	Simil RAL 6026 ☐	Simil RAL 7035 ☐	Simil RAL 5002 ☐
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Simil RAL 9010 ☐	Simil RAL 2004 ☐	Simil RAL 7035 ☐
Simil RAL 1003 ☐	Simil RAL 3002 ☐	Simil RAL 5002 ☐

INSULATED CURTAIN / TELO COIBENTATO 7 mm

Simil RAL 9010 ☐

FOOD CURTAIN (FDA) 1,7 mm - 1700 gr/m²



TYPE OF COATING AND FINISH / MATERIALE FINITURA TELO			
Coating material / Materiale	PVC		
Top coating / Finitura	Lacquered finishing on both sides / Laccato su entrambi i lati		
Flammability / Resistenza al fuoco	ISO 3795 < 100 mm/min.		
Best weight / Peso totale	900 / 1300 g/m²		DIN EN ISO 2286-2
Tensile strength / Resistenza alla trazione	4300 / 4000 N/50 mm		DIN EN ISO 1421/V1
Tear strength / Resistenza alla lacerazione	500 / 500 N		DIN 53363
Adhesion / Adesione	20 N/cm		LB 3.04-1
Low temperature resistance / Resistenza al freddo	-40 °C		DIN EN 1876-1
High temperature resistance / Resistenza al caldo	+70 °C		LB 3.15
Color fastness to light / Solidità alla luce	>6 Value / Note		DIN EN ISO 105 B02
Bending strenght / Resistenza alle piegature	No creases / Nessuna piega	10.000 x @	DIN 53359 A

TESSUTO DI SUPPORTO / BASE FABRIC			
Material / Materiale	DIN ISO 2076		
Yarn count / Titolo del filato	1100	dtex	DIN ISO 2060
Weave / Armatura	P2/2		
Notes / Note	Complies with DIN EN 12641-2 / Soddisfa i requisiti DIN EN 12641-2		