



Curved Sliding Doors |
Portes Coulissantes Courbes |

Puertas Correderas Curvas
Circular System

Portas de Correr Curvas |
Runde Schiebetüren |



grupsa.com



CIRCULAR SYSTEM

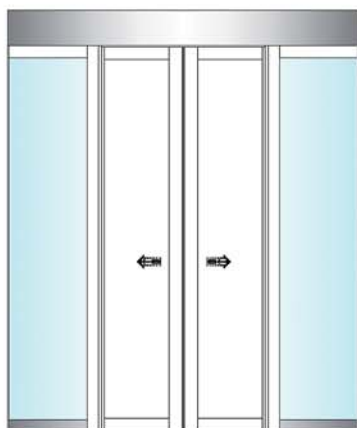
The **Circular System** range of Grupsa System is the most attractive **Curved Sliding Door System** that **Enhances the Accesses**, both **External and Internal ones**. The design of the **Circular System** allows the **Adaptation to Any Desired Configuration**, either in **One or Two Curved Sliding Leaves**, with different forms like **Concave or Convex ones**, **Semicircle, Whole Circle and Ellipsoidal Layouts**. Moreover, the wide variety of surface finishes harmonizes with the most exigent architectural styles and designs not only in case of new construction but also in refurbishment case.

The Circular System provides a **Valuable Energy Saving**, since it can work as an **interface**, mostly when the distance between accesses is **enlarged** by means of **Fixed Straight panels in Ellipsoidal Form**. Flow of People Safety is **guaranteed** by the **Control System of the AS-300 Drive Unit**, whose microprocessor unit **interacts** with other **Detecting and Vertical Safety Devices**, which can be integrated onto the design of the door.

Technical Specifications	
Dimensions	
Standard Door Height	2400 mm
Sliding Door Leaves Number	2 or 4
Canopy Height	200 mm
Sliding Door Leaves Glazing	Clear Laminated (8 mm)
Fixed Curved Panels Glazing	Clear Laminated (8 mm)
Standard Diameter	1800-4000 mm
Standard Clear Passage	830-1930 mm
Door Frames	81x35 mm / 70x26 mm
○ Dimensions or Radius	Variable
○ Glazing	Special
○ Canopy Height	Bespoke Tailoring
AS-300 Door Operator	
Sliding	Automatic
Control Unit	Microprocessor
Transmission	Noiseless by Tooth Belt
Control Display	5 Function Modes
Opening Speed	Adjustable up to 1,4 m/s
Closing Speed	Adjustable up to 1,27 m/s
Hold Opening Time	Adjustable 0-90 s
Opening Width	Adjustable
Breaking Regulation	Automatic
Irregularity Detector	Through Control Display
○ Digital Display Elongation	25-50 m
Electronic Specifications	
Power Supply	100-240 V AC / 50/60 Hz
Max. Consumption	250 W
Auxiliary Voltage	24 V DC, 640 mA
Ambient Temperature	-20 °C a 50 °C
Fuse	3,3 AT
Relative Humidity	Condensation free 85%
Interference	Suppression System
Immunity to Parasites	S/IEC 801

Technical Specifications	
Activation and Safety	
○ Emergency Battery	Opening in case of main failure
PIR Activation Sensor	Inner / Outer
○ Contact Key	Outer Opening
○ Opening Push Button	Inner / Outer
○ Safety Vertical Photocell	Inner and Outer
○ Remote Opening Activation	Emitter - Receiver
○ Safety Function	Safety Function by Stroke Reversible Electronic when detecting obstacle
○ Access Control Compatibility	Please consult
Equipment and Finishes	
Standard Material	Stainless Steel AISI 316 / AISI 304
	Aluminium EN 10204 / Brass DIN 17660
	Copper DIN 1787 / Bronze DIN 17662
Surface Finish	S/ASTM n° 4 Satin / S/ASTM n° 8 Brilliant Mirror
	Powder Coated RAL-K7 210 Colours / Anodized
○ Electromagnetic Lock	Night Locking
○ Spots Light	Two Units / Cold Light / White / Black / Satin Chromed ring
○ Emergency Spots Light	Battery Supported
○ Header Profile	With Cladding and 200 mm Curved Cover
○ Ceiling	Registrable White RAL 9010 Aluminium Ceiling
○ Ceiling	Same material and surface finish as door
○ Roof Cover	Damp Proof THK = 10 mm
○ Roof Cover	Outer Half or Complete Waterproof cover roof PVC grey colour
○ Roof Cover	Same material and surface finish as door
○ Mat Ring	In Stainless Steel
○ Floor Track	Floor Surface
○ Floor Track	Floor Concealed
○ Air Curtain	Confort air-conditioning
○ Drainage System	For Rain Water
○ Surface Finish	Aged, Steel, other surface finishes
Norms and Certification	
Certificate ISO 9001:2000	ER-0674/2001
Evacuation Passage	SP/TÜV with options: MEU, PS-5T, PSMB-5, LDP, SBK-111

○ Optional Equipment



Diameter	Free Passage
1800	900
2000	1000
2200	1100
2400	1200
2600	1300
2800	1400
3000	1500
3200	1600
3400	1700
3600	1800
3800	1900
4000	2000

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