



Automatic Revolving Doors
Opening a World of Possibilities



Innovative Solutions. Flexible Options.



Think Besam for Automatic Revolving Doors



Custom Finishes Available

Stainless Steel Finish



Did you know...
Revolving doors provide significant energy savings over traditional manual swing doors. Contact Besam today for a customized energy analysis on the savings you could achieve... which will provide payback on your investment typically in 3-5 years.

At Besam we believe that our success and outstanding reputation is the result of our long-standing philosophy of building uncompromising excellence into every door we make. With thousands of installations worldwide, Besam sets the standard for revolving door performance, quality and reliability. It's what our customers have come to expect... and it's what they receive with every door we provide. In addition, Besam is committed to manufacturing the safest products in the industry, and has the ability to install and service automatic and revolving doors nationwide with AAADM certified technicians. That is why you can rely on our doors to provide state-of-the-art features, customized service and product reliability. Trust Besam to provide the very best in revolving door solutions.

SpecDesk – Right Here...Right Now

Besam is committed to providing the architectural community with fast and efficient answers to your design-related questions. Simply contact our SpecDesk at **1-877-SPEC-123** or **specdesk@besam-usa.com** for an immediate response for application advice, plan review and 3-part specification development. You may also visit our web site at **www.besam-usa.com** to view our product line and download specifications and drawings.



AIA Registered CEU Course Available

Specifying automated doors is not automatic! Take our AIA registered course and learn about different automatic door types, applications, limitations and code issues. In addition to building upon your product knowledge, you will receive one HSW learning unit credit from AIA for completing the *Besam Automatic & Revolving Door* or *Automatic Revolving Door* courses. Contact Besam for an AIA accredited in-house presentation.



Custom Applications – Our Specialty

Besam doors can be precisely matched to suit the specific requirements of a broad range of individual projects. Our automatic door specialists can work with you to design an entrance customized to your exact requirements. Whether it be unusual materials like wood, special colors, or unique applications, trust the Besam team to develop an entrance uniquely suited to your needs.



Service and Support



Service Excellence

Choosing Besam to service and maintain your automatic and manual entrances provides you with the comfort and assurance of maximizing efficient and reliable operation for your doors, it also provides optimum convenience and safety for those using them.

World-Class Service, In Your Neighborhood

With almost 50 years in the service business, our AAADM-certified technicians can maintain, upgrade and service all brands of automatic and manual doors. Equipped with the right parts on our service vans, our trained staff provides fast and reliable service 365 days a year, 24 hours a day. Trust the world's largest automatic door company for all your door and service needs.

Revolving Door Service – Your Door...Your Plan

After the installation of your manual or automatic Besam revolving door, protect your investment with a Planned Maintenance agreement. Besam offers three types of agreements to meet your individual needs. Our most popular is Besam's Full Maintenance agreement which covers all parts and labor for any service calls during normal business hours. This allows you to budget and control your costs for revolving door service throughout the year. In addition, the agreement includes two to four Planned Maintenance visits a year. During those visits, Besam performs a minimum 22-point inspection that includes adjustment and replacement of worn parts preventing small breakdowns from turning into costly repairs. This program provides you with peace of mind knowing that your equipment is being maintained and cared for by the world's largest automatic door company.

Besam Preferred Status

Customers with a Planned Maintenance agreement achieve Besam Preferred status. Besam Preferred is our way of thanking you for partnering with us, with an added emphasis on quick response and total customer satisfaction. Besam Preferred customers enjoy a variety of benefits including:

- Priority call status
- Labor and travel discounts
- Parts discounts
- Exclusive promotions
- Service history reports
- Regularly scheduled AAADM inspections and certifications



Besam's service and installation technicians are AAADM certified and factory trained. Besam can service all brands of automatic and manual doors – solving all your needs with just one call – 1-877-BESAM-US!



UniTurn Two-Wing Revolving Doors



UniTurn -
Hospitality
Application



UniTurn -
Retail
Application

Energy Savings

Call us today at
1-866-BESAM-US
for your personalized
energy analysis and
see how the UniTurn
series can conserve
energy in your facility.

*The UniTurn is
an environmentally
conscious revolving
door while remaining
architecturally
pleasing to the eye.*



The UniTurn Series – A Green Machine

The UniTurn series has a unique two-wing design that creates a weather-tight barrier keeping unwanted elements outside. This allows you to maximize the use of the inside of your facility, all the way to your front door, without compromising the comfort of your patrons or employees inside. With the weatherproof barrier, Besam revolving doors offer many advantages for all industries. Hotels can extend their lobby activities right up to the entrance. Airports can establish check-in counters closer to the door. Hospitals can place reception areas in the most convenient locations for patients and visitors. And retailers are able to locate checkout counters in close proximity to their exits. Besam's weatherproof barrier securely seals all of the undesired elements outside. In addition, the energy savings are enormous – with some installations paying for themselves in a short period of time. The UniTurn is an environmentally conscious revolving door while remaining architecturally pleasing to the eye.

Providing Greater Capacity and Flexibility

Besam two-wing revolving doors have drastically changed the industry's approach to revolving door automation. By eliminating the need for a center shaft, we have been able to create a much larger compartment area. The increased space is capable of accommodating people with shopping and luggage carts, wheelchairs, stretchers and even crowds with ease. In fact, our 18' diameter door allows for a traffic capacity of up to 5,880 people per hour!

Floor Mounted Design For Added Ease and Convenience

The UniTurn series is designed to be fixed to the finished floor surface and eliminates the need for bearings or fittings below the floor level. All floor prep work can be completed before the installation, making coordination more convenient and time efficient.

Prominent Display Area

All of the doors in the UniTurn series provide two display areas within the rotating section for signage, safety notices, graphics and even advertising. By renting this prominent display space, your Besam revolving door can earn you advertising revenues, even further reducing your already low cost of ownership.

UniTurn 2-Wing Dimensions

08 42 33/BES
BuyLine 9529

	Outside Diameter	Height
UniTurn-12	12' - 1 1/4" (3589mm)	8' - 4" (2540mm)
UniTurn-14	14' - 7/8" (4289mm)	8' - 4" (2540mm)
UniTurn-16	16' - 1/2" (4889mm)	8' - 4" (2540mm)
UniTurn-18	17' - 15/16" (5205mm)	8' - 4" (2540mm)

Ideal for supermarkets, hospitals, airports, transportation terminals, office buildings, arenas, malls and other high-traffic public facilities.

Visit www.besam.com to view our drawings and specifications.

Technical Data: Power Supply - 208-230V, 20amp, 60Hz



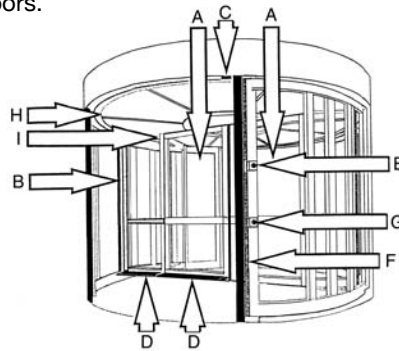
UniTurn-
Emergency
Escape Position
Shown

Besam
Exclusive
18' Diameter



Secure and Safe

UniTurn is the **safest revolving door in the world**. Besam's two-wing design securely seals the entrance when the unit is closed eliminating the need for costly additional security doors. The UniTurn has two infrared sensors mounted in the ceiling ahead of the sensor door in each compartment. The infrared sensors have multi-zones sensors that will look down in front of the sensor door and in front of the vertical compression sensor. In addition, the infrared package has a multi-zone operation that will slow and stop the doors if an object comes in close proximity to the approaching rotating doors.



Besam Safety Features

- A - Emergency escape doors**
- B - Vertical compressible safety switch located on the leading edge of the wings**
- C - Vertical sensors on the throat opening**
- D - Horizontal compressible safety switches located on the bottom leading edges of the wings.**
- E - Emergency stop switches**
- F - Vertical compressible safety switches**
- G - Handicap push plate speed reduction switches**
- H - Rotating ceiling mounted vertical sensor located forward of the leading edge wings**
- I - 4Safe ceiling mounted sensors**

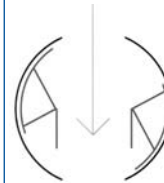
Besam meets or exceeds the standards set forth per ANSI A156.27



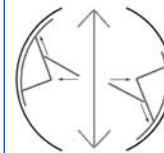
Two large, rotating compartments provide virtual straight-line access for wheelchairs, large shopping carts, people with luggage or even stretchers



When parked in the closed position, the doors lock automatically and your entrance is securely sealed.



For emergency escape, the double acting center door panels can be easily pushed open to provide a clear evacuation path through the center.



UniTurn is also available with an optional automatic sliding door feature, which provides not only automatic emergency egress, but the capability to use the entrance as an automatic sliding door during favorable climate conditions.

besam
ASSA ABLOY

Series RD Three- & Four-Wing Revolving Doors

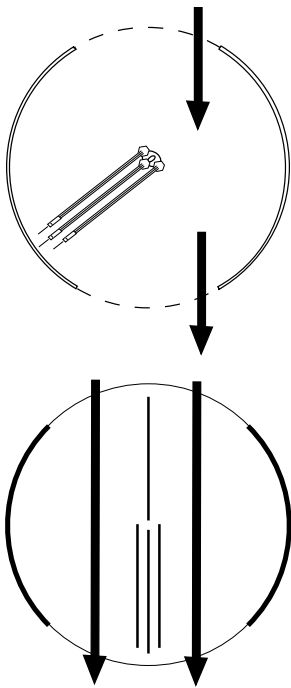


RD-3 Series



RD-4 Series

RD Series: Three-Wing and Four-Wing



The system is designed to allow a clear path for emergency egress under a variety of conditions.

Three-Wing

Providing more space for pedestrians with wheeled traffic as well as excellent energy efficiency, three-wing revolving doors are a popular choice for facilities with a large, continuous traffic flow.

Four-Wing

Attractive and inviting in appearance, our four-wing revolving doors allow one group of people to enter, and another to exit your facility simultaneously. And with this practical design, there are always two seals to provide an effective barrier against the outside elements.

Safety Plays An Important Role At Besam

Three-wing and four-wing features:

- Multiple sensing devices to detect slow-moving or stationary objects.
- Compressible safety switches located on the vertical fixed wall.
- Horizontal safety sensors located on the rotating section. (9'-12' diameter only)
- Non-touch sensors located horizontally on the rotating section. (9'-12' diameter only)
- Emergency stop push button.
- Handicap door speed reduction switches (2).
- Force sensitive door leaves.

Compact 3- & 4-Wing Dimensions

	Outside Diameter	Height
RD-7	7'- 2 1/4" (2191mm)	8' - 2 1/2" (2.5m)
RD-8	8'- 2" (2489mm)	8' - 2 1/2" (2.5m)
RD-9	9'- 1 3/5" (2788mm)	8' - 2 1/2" (2.5m)
RD-10	10'- 1 3/4" (3092mm)	8' - 2 1/2" (2.5m)
RD-12	12'- 1 1/4" (3789mm)	8' - 2 1/2" (2.5m)

Large size ideal for supermarkets, hospitals, hotels, airports, retail and office buildings.

Compact size ideal for hotels, hospitals and office buildings.

Visit www.besam-usa.com to view our drawings and specifications.

Technical Data: Power Supply - 208-230V, 20amp, 60Hz (Optional 120V)



RD4A-1/RD4A-2 Series Four-Wing Access Control Revolving Doors

Dimension Guide

	Outside Diameter	Height
RD4A-1/2	6' - 2 1/2" (1892mm)	8' - 2 1/2" (2.5m)
RD4A-1/2	7' - 2 1/4" (2191mm)	8' - 2 1/2" (2.5m)
RD4A-1/2	8' - 2" (2489mm)	8' - 2 1/2" (2.5m)

Visit www.besam-usa.com to view our drawings and specifications.

Call for a free DVD.

Technical Data: Power Supply - 208-230V, 20amp, 60Hz
(Optional 120V)

RD4A-2
Access
Control



A Circle of Security

The RD4A-1 one-way and RD4A-2 two-way access control revolving doors offer fully automated entrance control for interior and exterior use. Incorporating all of the principle advantages of revolving door systems — such as barrier and draft-free access, noise reduction and energy efficiency — the RD4A-1 and RD4A-2 provide a level of control that conventional doors simply cannot match. In addition, both revolvers are compatible with all types of access control systems.

Intelligent Control

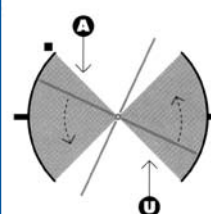
Monitored by a microprocessor-equipped control unit, the RD4A-2 and RD4A-1 access control revolving doors can be connected to any compatible direct or remote access control system, including cards, code locks, biometrics and voice recognition. And the system can be programmed to suit your individual needs for complete flexibility. The integrated, solid-state control unit enables users to monitor entry and exit independently, allowing for controlled access, free access or no access in each direction.

Essential Safeguards

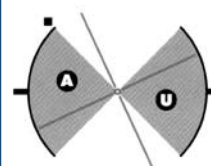
With their extensive safety features, the RD4A-1 and RD4A-2 keep users as safe as they are secure. Emergency breakaway allows the wings to be swung open to provide a clear evacuation path. In addition, an automatic fire release rotates the wings to a central position and initiates the emergency breakaway function.

Uncompromised Protection

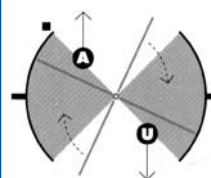
The RD4A-1 and RD4A-2 ensure strict access control with state-of-the-art security features that prevent system violations. Anti-tailgating logic recognizes unauthorized users attempting to gain access in either the quadrant behind, or in the direction opposite of an authorized user. Anti-piggybacking recognizes more than one person in a secure quadrant. Both conditions initiate door reversal, which backs the offenders out of the door.



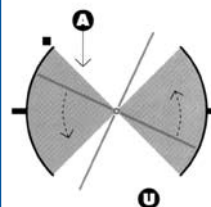
An authorized user (A) activates the door by using the access control system. An unauthorized user (U) attempts to enter at the same time, from the other direction.



Two security overhead sensors distinguish between the authorized and unauthorized user and signal the door to stop its rotation. The rotation of the door is also stopped if an unauthorized user follows behind the authorized user.



The presence of an unauthorized user prompts the revolving door to automatically reverse direction, preventing both the entry of the unauthorized user and the entrapment of any user.



Once the unauthorized user backs out, rotation automatically resumes and the authorized user can complete passage through the door.



RD4M Manual Revolver



RD4M
Manual
Revolver

Besam's RD4M manual revolver is a 4-wing manual revolving door system that allows unencumbered access to your facility while still preserving maximum energy efficiency for your building. Dynamic aesthetics combined with solid quality make this system ideal for your commercial entryway. The RD4M offers many attractive features including:

- Expansive glass in slim profile doors and curved glass outer walls.
- The RD4M seals the building envelope to reduce energy consumption significantly.
- Available in a variety of finishes as well as #8 stainless steel.
- Comes equipped with a speed control unit that prevents the doors from being rotated at a faster rate than allowed by building codes, and meets and exceeds current ANSI and building codes.
- Optional electro-mechanical speed control provides a significant energy savings advantage over standard manual door units.

CM Series Curved Sliding Doors



Curved
Slider

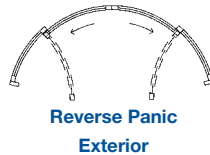
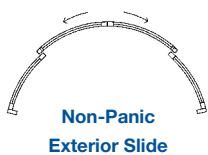
The CM Series curved sliding door system is the ultimate choice for the designer seeking to make a unique statement. The door's three-dimensional design provides attractive depth, as well as height and width. The curved shape allows for a broader door opening than provided by traditional sliding doors. Choose from a variety of standard and custom finishes to create an exciting and ideal entryway.

Dimension Guide

	Radius	Net Door Opening
Minimum	42" (1067mm)	32" (813mm)
Other Dimensions		84" (2134 mm) Max
Door weight maximum		200 lbs. per leaf

Technical Data:
Power Supply -
208-230V,
20amp, 60Hz
(Optional 120V)

Bi-Part



Each CM Curved Sliding Door is custom engineered to your specifications.

Visit www.besam-usa.com to view our drawings and specifications.



ASSA ABLOY

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www.besam-usa.com • email: marketing@besam-usa.com

*For the name and address of your local Besam Representative please call us at **1-866-BESAM-US**. Contact information is also available on our web site - www.besam-usa.com*

Besam follows a policy of advancements in development. For this reason specifications may be changed without notice.
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