

Safeguard Duct Access Doors - RD & RRD



RD



RRD

Sturdy, press-formed access doors for rectangular ducts or flat surfaces (RD) and circular ducts or curved surfaces (RRD) made of an inner and an outer cover plate which are pulled together by two bolts and corrosion-resistant knobs. The duct wall is clamped evenly between the two access door covers. The self-adhesive polyethylene (PE) gasket on the inner cover plate makes the access door air-tight even at higher pressures. The oval shape of the access door allows an easy installation into the opening.

STOCKED Rectangular Access Doors RD

CODE	DESCRIPTION	SIZE	TO SUIT
4506829	Rectangular Access Door RD21 Galv PE Gasket	200 x 100	Various
4506830	Rectangular Access Door RD32 Galv PE Gasket	300 x 200	Various
4506831	Rectangular Access Door RD43 Galv PE Gasket	400 x 300	Various
4506832	Rectangular Access Door RD54 Galv PE Gasket	500 x 400	Various
4506833	Rectangular Access Door RD65 Galv PE Gasket	600 x 500	Various

STOCKED Circular Access Doors RRD

CODE	DESCRIPTION	SIZE	TO SUIT
4506815	Round Access Door RRD 18-100ø PE Gasket	180 x 80	100ø
4506816	Round Access Door RRD 18-125ø PE Gasket	180 x 80	125ø
4506817	Round Access Door RRD 21-150ø PE Gasket	200 x 100	150ø
4506818	Round Access Door RRD 21-200ø PE Gasket	200 x 100	200ø
4506819	Round Access Door RRD 21-250+300ø PE Gasket	200 x 100	250ø + 300ø
4506820	Round Access Door RRD 21-315+355ø PE Gasket	200 x 100	315ø + 355ø
4506821	Round Access Door RRD 32-400ø PE Gasket	300 x 200	400ø
4506822	Round Access Door RRD 32-450ø PE Gasket	300 x 200	450ø
4506823	Round Access Door RRD 32-500ø PE Gasket	300 x 200	500ø
4506824	Round Access Door RRD 43-560ø PE Gasket	400 x 300	560ø
4506825	Round Access Door RRD 43-630ø PE Gasket	400 x 300	630ø
4506826	Round Access Door RRD 43-710ø PE Gasket	400 x 300	710ø
4506827	Round Access Door RRD 43-800ø PE Gasket	400 x 300	800ø

STOCKED Retaining Cables to suit all of above

CODE	DESCRIPTION	SIZE	TO SUIT
4506828	350mm long retaining cable for above (10 pack)	350 x 6mm	all

TECHNICAL SPECS - RD & RRD



Air Tightness

Airtightness of RD access doors is much lower than the admissible leakage of the highest airtightness class D (EN 1507/ATC2 EN16798-3 TUV NORD Certificate) when correctly installed on a smooth, clean surface and sufficiently tightened ($F \geq 500N$).



Operating Pressure

Properly installed access doors withstand positive or negative pressures up to 5000 Pa.



Exposure & Corrosion

Should the access doors be installed outside the building, the following points should be taken into consideration;

- Install in the least exposed areas
- Install where rain water cannot accumulate
- Red knobs will not corrode but may discolour and become brittle over time. (*metal knobs, alternative materials and alternative gaskets are available upon request to suit required applications*)

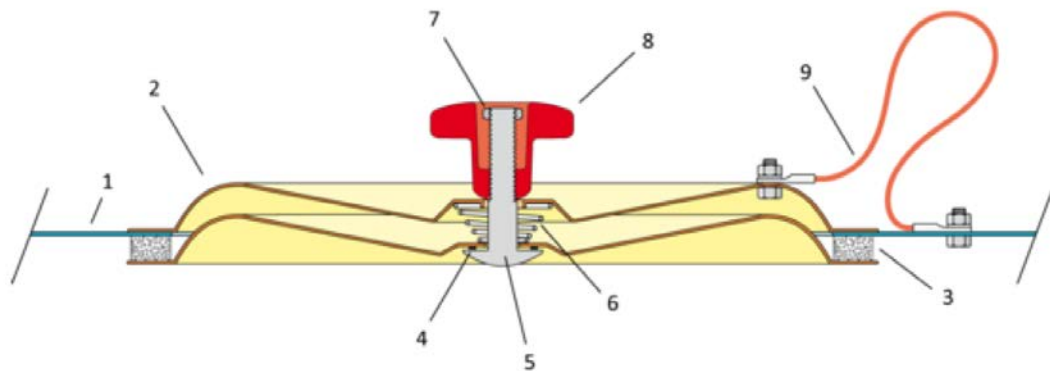
Alternative access doors should be used for Kitchen exhaust or corrosive environments and are available upon request.



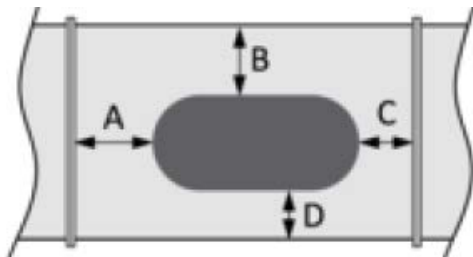
Electrostatic Discharge

Should an equipotential bonding be required, we recommend the use of access doors fitted with a retaining cable and metal knobs allowing a better metal to metal contact between all access door components and the duct.

Square / Rectangular Access Doors RD

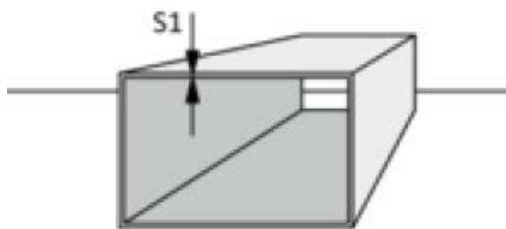


1. Duct wall.
2. Press formed in galvanized steel (Also available in Stainless Steel & Aluminum)
3. Polyethylene Foam Gasket PE.
4. PE Sealing ring.
5. Mushroom head bolts.
6. Steel springs.
7. Locking nuts prevent the knobs from being totally removed.
8. Ergonomic and corrosion resistant knobs.
9. Retaining cable with M6 bolt & nut (*Sold Separately*).



Minimum Duct Dimensions

- A \approx min. 50 mm
- B \approx min. 50 mm
- C \approx min. 15 mm
- D \approx min. 15 mm



Duct Wall Thickness

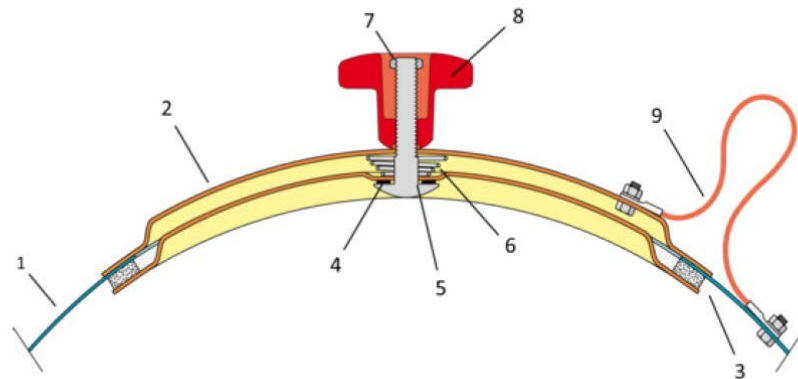
Standard access doors with polyethylene: S1 = max is 5 mm. For thicker duct wall thickness special access door versions with longer bolts can be ordered



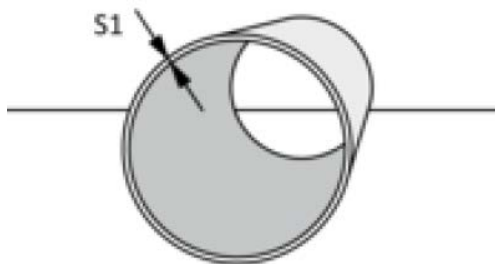
Top Required Clearance when Installed

- RD 21: H \approx 35 mm
- RD 32: H \approx 50 mm
- RD 43: H \approx 56 mm
- RD 54: H \approx 67 mm
- RD 65: H \approx 73 mm

Round Access Doors RRD

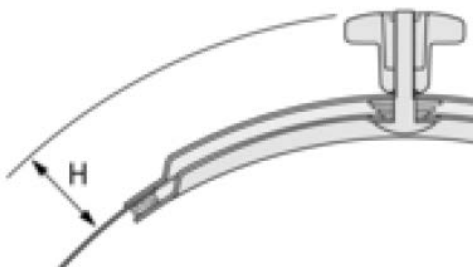


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Duct Wall Thickness

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Top Required Clearance when Installed

RRD 18: H ≈ 36 mm
 RRD 21: H ≈ 40 mm
 RRD 32: H ≈ 55 mm
 RRD 43: H ≈ 60 mm
 RRD 54: H ≈ 70 mm

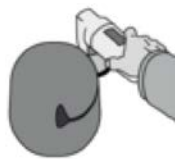
Installation



To avoid injuries we recommend that you wear protective gloves when handling our products.



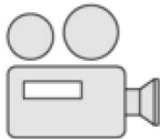
Apply the self-adhesive template on the duct wall at the desired position.



Cut the opening following the edge of the template



Turn the knobs till they hit the stops and insert the inner door panel inside the opening at an angle. Then straighten the door, pull it lightly to centre it and tighten the knobs.



[Installation video RD with PE](#)

[Installation video RRD with PE](#)



Retaining Cable Kit

Supplied & fit separately (only available in packs of 10)

Drill a 6 - 7 mm Ø hole in the outer door panel 30 - 50 mm from the edge and also in the duct wall 30- 50 mm from the edge of the opening. Fix the retaining cable as depicted below

