Access Doors

CAL (Round Duct Type)

At Gerhman we are driven by a strong desire to continuously generate improvements. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.

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Access Doors

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CAL access doors for round ducting consist of two panels connected between themselves with two screws, springs and knobs.

Application

- **Assures a tight seal without obstruction in the air system**
- **Double cam removable duct panel**
- **Insulated and uninsulated, leak-proof access doors for round ducts**
- **Provides easy access to sheet metal ducts**

Panels	Material	Galvanized steel
Sealing Gasket	**Type**	High quality EPDM gasket
	Density	+/- 33 kg /m3

| Nominal sizes (mm)	Technical Sizes (mm)			
	A	B	C	D
180 x 80	170	72	197	101
200 x 100	200	100	219	117
250 x 150	250	150	274	186
300 x 200	300	200	329	228
400 x 200	380	180	412	212
400 x 300	380	280	403	303
500 x 400	500	400	532	432
600 x 450	600	450	627	480
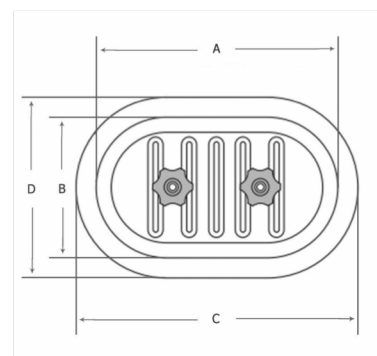
A & B = opening dimensions
C & D = external dimensions

Selection chart

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| Door size / Duct dia.	180x80 mm	200x100 mm	250x150 mm	300x200 mm	400x300 mm	500x400 mm	600x450 mm	Recommended door curving diameter (mm)
100 mm	Standard	-	+	-	-	-	-	100
125 mm	Standard	-	+	-	-	-	-	
140 mm	+	Standard	+	-	-	-	-	125
150 mm	+	+	+	-	-	-	-	
160 mm	Standard	+	Standard	-	-	-	-	160
180 mm	+	Standard	+	-	-	-	-	
200 mm	Standard	Standard	Standard	-	-	-	-	200
224 mm	+	+	+	-	-	-	-	
250 mm	+	Standard	Standard	-	-	-	-	
280 mm	+	+	+	-	-	-	-	250
300 mm	+	+	+	-	-	-	-	
315 mm	-	Standard	Standard	Standard	-	-	-	315
355 mm	-	-	Standard	Standard	-	-	-	355
400 mm	-	-	Standard	Standard	Standard	-	-	400
450 mm	-	-	Standard	Standard	Standard	-	-	450
500 mm	-	-	Standard	Standard	Standard	-	-	500
550 mm	-	-	-	+	+	-	-	
560 mm	-	-	-	+	Standard	-	-	560
600 mm	-	-	-	+	+	-	-	
630 mm	-	-	-	+	Standard	Standard	-	630
700 mm	-	-	-	-	+	+	-	
710 mm	-	-	-	-	Standard	Standard	Standard	710
800 mm	-	-	-	-	Standard	Standard	Standard	
850 mm	-	-	-	-	+	+	+	800
900 mm	-	-	-	-	Standard	Standard	Standard	
1000 mm	-	-	-	-	+	Standard	Standard	900
1120 mm	-	-	-	-	+	Standard	Standard	1120
1250 mm	-	-	-	-	+	Standard	Standard	1250
1400 mm	-	-	-	-	-	-	Standard	
1500 mm	-	-	-	-	-	-	Standard	
1600 mm	-	-	-	-	-	-	Standard	
1800 mm	-	-	-	-	-	-	Standard	

+ : Available on request
- : Not available
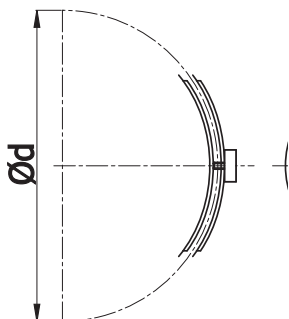
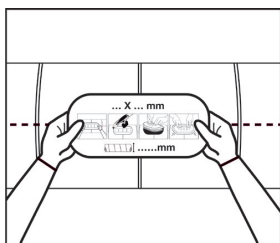# Application

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ROUND DUCTING (CAD)	
Nominal duct diameter (mm)	**Minimal size of access door (mm) A x B**
100 ≤ D < 200	180 x 80
200 ≤ D ≤ 315	250 x 150
315 < D ≤ 500	300 x 200
500 < D	400 x 300
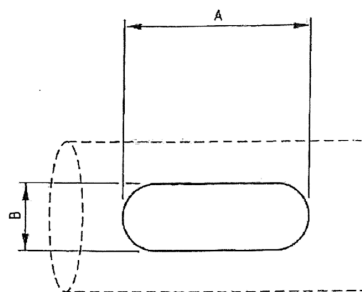
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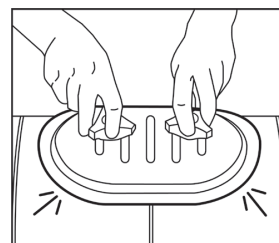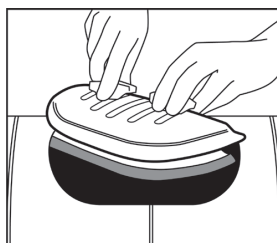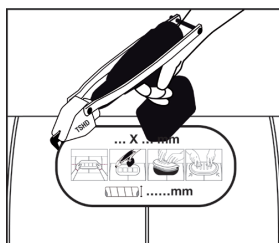
1. Stick self-adhesive template on to duct (a template is provided with each door)

2. Using Turbo Shears or similar cut around template taking care not to exceed the size of the template (the door will function correctly when cut to template size +0 mm -3 mm).

3. Install door by unscrewing the hand knobs until thread is level with top of bolt. Using both hands place the door in the hole at an angle.

4. Turn straight and pull out slighlty to align. Then tighten knobs.

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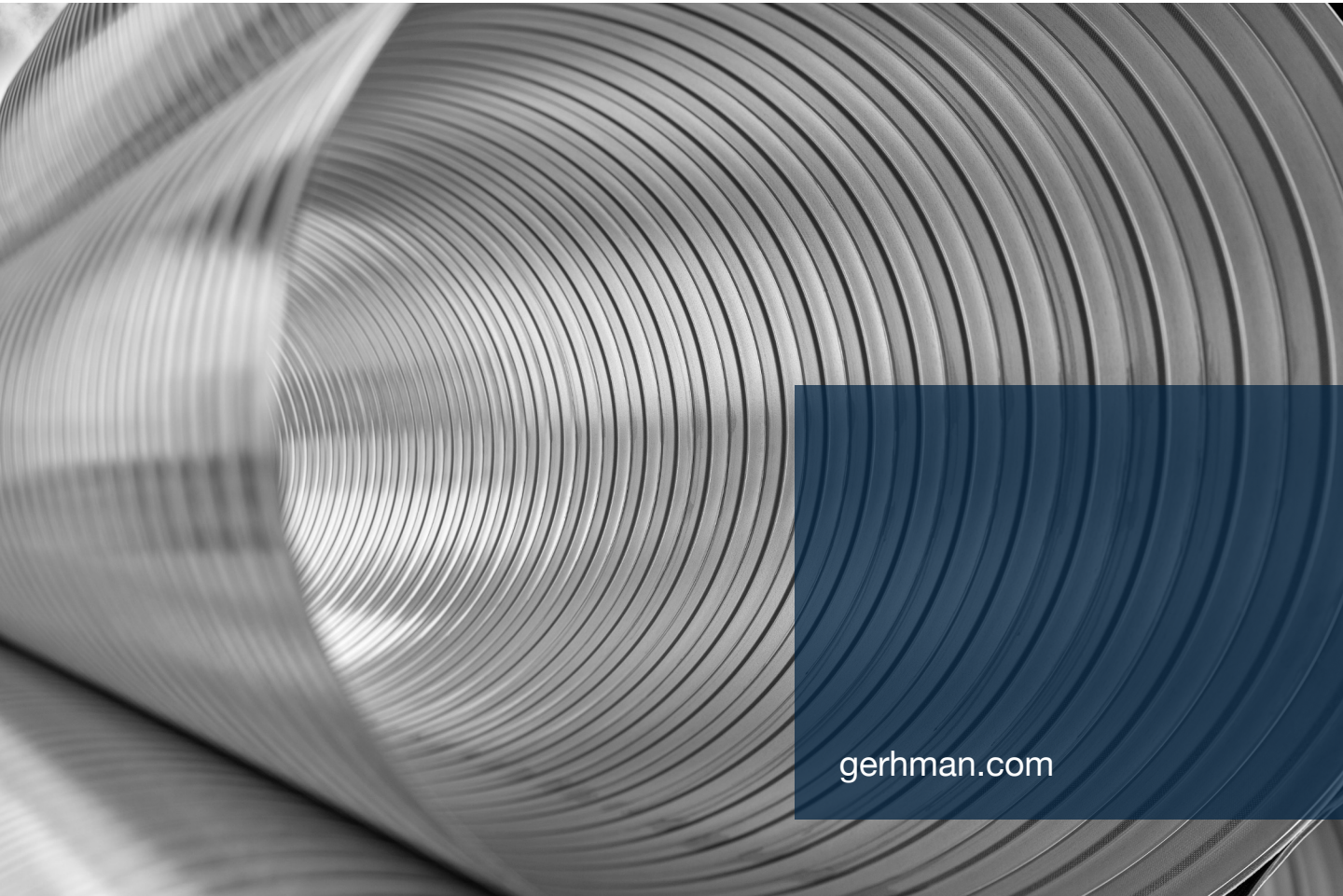
📞24 • **+90 0850 303 4766**   ✉ • **info@gerhman.com**   🌐 • **gerhman.com**