

ducting express

Access Doors General Information



Air-tightness

The "TÜV NORD" certificate confirms that the airtightness of the METU RD and GX access doors is much lower than the admissible leakage of the highest airtightness class D (DIN EN 1507 / ATC2 EN 16798-3), assuming the access doors have been properly installed according to our instructions.

One should especially make sure that:

- the knobs are sufficiently tightened ($F > \approx 500 \text{ N}$)
- the access door is installed on a smooth and clean surface

Given these performances it can be assumed that the D class is also reached by the RRD access doors.



Operating Pressure

Properly installed access doors withstand positive or negative pressures up to at least $\approx 5000 \text{ Pa}$. ($\approx 500 \text{ mm w.g.}$)



Liquid-tightness

Standard access doors fitted with a polyethylene (PE) gasket offer a limited liquid-tightness (they are considered splash-tight).

A better liquid-tightness can be achieved using access doors fitted with a rubber edge molding (SKK), assuming it has been cut and installed properly. It must be ensured that no joints or seams cross the opening and that the access door is installed according to our instructions.

This is why a new liquid-tight access door version has been developed. The access doors RD-FD and RRD-FD are fitted with a special NBR gasket and NBR O-Rings. Internal tests demonstrate that these access doors remain oil-tight when subject to a positive pressure of 3300 Pa (security factor 3). In less ideal conditions a slight leakage over the long term cannot be ruled out.



Kitchen Exhaust

We recommend the liquid-tight version (FD) of our access doors. The NBR seal is quite resistant to oils and greases. Under real conditions however the tightness cannot be guaranteed, and minor leaks cannot be completely ruled out. This access door remains the most adequate solution from our access door range.

An alternative would be the access doors with silicon gasket. These have the advantage of withstanding temperatures of up to approx. $+200^\circ\text{C}$. These access doors are not completely liquid-tight. One would also have to make sure that silicone can be used.

The standard access doors with PE gasket could eventually be used. One has to consider however that the PE seal is only partially resistant to organic oils and greases (see ZI-201). Over time the PE gasket will be soaked with grease, leading to leakages.



Outdoor Exposure

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

- Install the access doors in the least exposed areas.
- Install the access doors in areas where rain water cannot accumulate (not on top of rectangular ducts for instance).
- The red knobs will not corrode but may discolor and become brittle over time. Metal knobs could also be used, although the risk of corrosion is more important (please refer to the additional information ZI-101).
- Choose a gasket with higher UV and ozone resistances, such as the self-adhesive rubber edge molding (SKK).
- Galvanized access doors can also be ordered with a thicker zinc coating ($\approx 275 \text{ g/m}^2$). Minimum order quantities and longer lead times must be expected.



Electrostatic Discharge

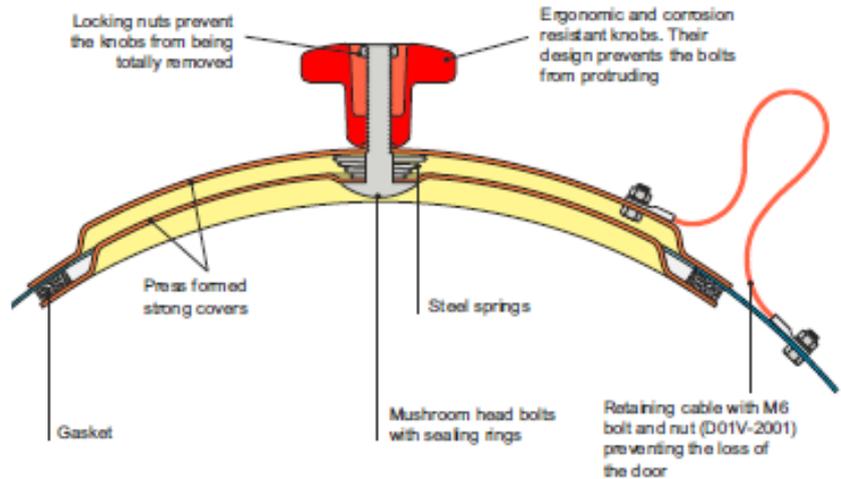
Should an equipotential bonding be required, we recommend the use of access doors fitted with a retaining cable and metal knobs, as these allow a better metal-to-metal contact between all access door components and the duct.

RRD

Access Doors

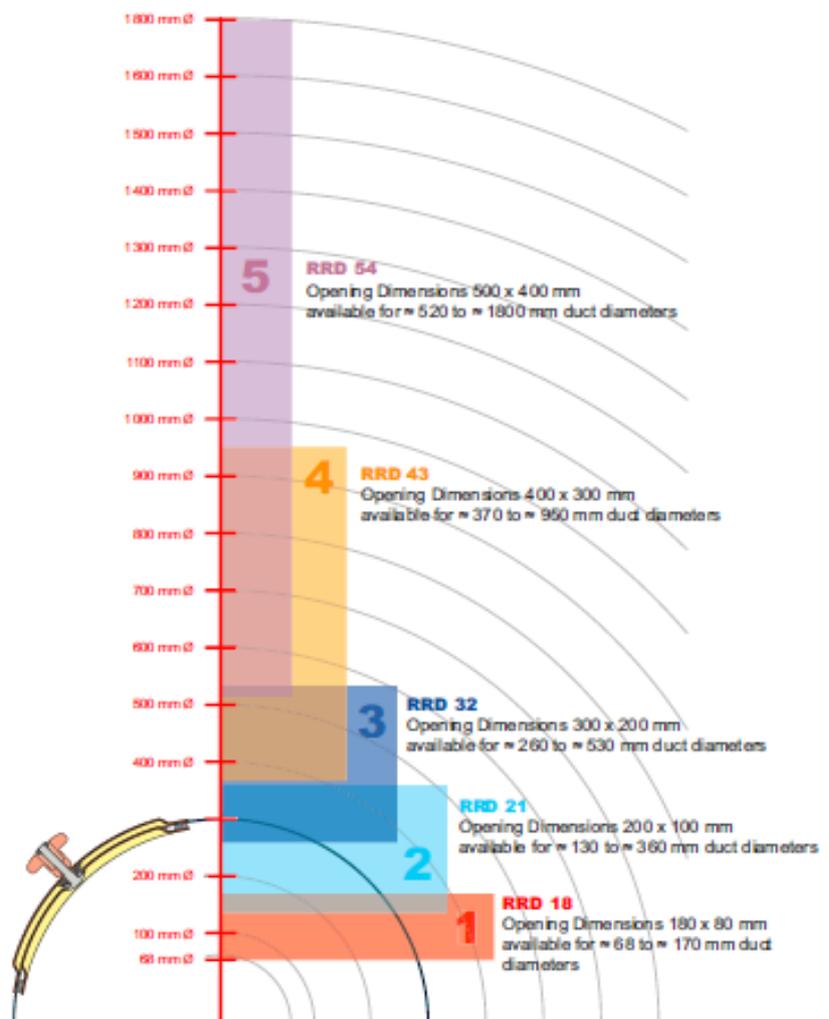
For circular ducts

Available in different materials, sizes and versions



Possible RRD dimensions depending on the duct Ø:

Access door dimensions for larger duct-Ø as special versions available upon request

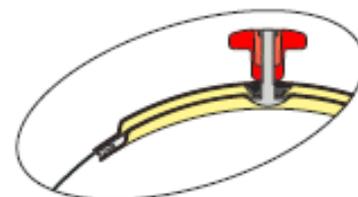


Access Doors RRD

With polyethylene (PE) gasket

PE gasket: see additional information Z1-201

Aluminum and stainless steel V4A versions:
springs, screws and bolts are made of stainless
steel V2A.



• Standard ◦ Special # Upon Request

Art.Nr.	Description	€/ea.	∅ Stand. mm	∅ min. mm	∅ max. mm	Max. Temp. °C	Material	Knobs	kg/ea. #	
Opening Dimensions 180 x 80 mm										
D03A-1001	RRD 18-7 galv with PE	• 7,08	71	68	75	+70°C	galv	M8	0,29	
D03A-1002	RRD 18-8 galv with PE	• 7,08	80	76	85	+70°C	galv	M8	0,29	
D03A-1003	RRD 18-9 galv with PE	• 7,08	90	86	95	+70°C	galv	M8	0,29	
D03A-1004	RRD 18-10 galv with PE	• 7,08	100	96	105	+70°C	galv	M8	0,29	
D03A-1005	RRD 18-11 galv with PE	• 7,08	112	106	120	+70°C	galv	M8	0,29	
D03A-1006	RRD 18-12 galv with PE	• 7,08	125	121	130	+70°C	galv	M8	0,29	
D03A-1007	RRD 18-14 galv with PE	• 7,08	140	131	150	+70°C	galv	M8	0,29	
D03A-1008	RRD 18-16 galv with PE	• 7,08	160	151	170	+70°C	galv	M8	0,29	
D03B-1001	RRD 18-7 V2A with PE	◦ 27,37	71	68	75	+70°C	V2A	M8	0,30	
D03B-1002	RRD 18-8 V2A with PE	◦ 27,37	80	76	85	+70°C	V2A	M8	0,30	
D03B-1003	RRD 18-9 V2A with PE	◦ 27,37	90	86	95	+70°C	V2A	M8	0,30	
D03B-1004	RRD 18-10 V2A with PE	◦ 27,37	100	96	105	+70°C	V2A	M8	0,30	
D03B-1005	RRD 18-11 V2A with PE	◦ 27,37	112	106	120	+70°C	V2A	M8	0,30	
D03B-1006	RRD 18-12 V2A with PE	◦ 27,37	125	121	130	+70°C	V2A	M8	0,30	
D03B-1007	RRD 18-14 V2A with PE	◦ 27,37	140	131	150	+70°C	V2A	M8	0,30	
D03B-1008	RRD 18-16 V2A with PE	◦ 27,37	160	151	170	+70°C	V2A	M8	0,30	
D03C-1001	RRD 18-7 Alu with PE	◦ 20,43	71	68	75	+70°C	Alu	M8	0,16	
D03C-1002	RRD 18-8 Alu with PE	◦ 20,43	80	76	85	+70°C	Alu	M8	0,16	
D03C-1003	RRD 18-9 Alu with PE	◦ 20,43	90	86	95	+70°C	Alu	M8	0,16	
D03C-1004	RRD 18-10 Alu with PE	◦ 20,43	100	96	105	+70°C	Alu	M8	0,16	
D03C-1005	RRD 18-11 Alu with PE	◦ 20,43	112	106	120	+70°C	Alu	M8	0,16	
D03C-1006	RRD 18-12 Alu with PE	◦ 20,43	125	121	130	+70°C	Alu	M8	0,16	
D03C-1007	RRD 18-14 Alu with PE	◦ 20,43	140	131	150	+70°C	Alu	M8	0,16	
D03C-1008	RRD 18-16 Alu with PE	◦ 20,43	160	151	170	+70°C	Alu	M8	0,16	
D03E-1001	RRD 18-7 V4A with PE	◦ #	71	68	75	+70°C	V4A	M8	0,32	
D03E-1002	RRD 18-8 V4A with PE	◦ #	80	76	85	+70°C	V4A	M8	0,32	
D03E-1003	RRD 18-9 V4A with PE	◦ #	90	86	95	+70°C	V4A	M8	0,32	
D03E-1004	RRD 18-10 V4A with PE	◦ #	100	96	105	+70°C	V4A	M8	0,32	
D03E-1005	RRD 18-11 V4A with PE	◦ #	112	106	120	+70°C	V4A	M8	0,32	
D03E-1006	RRD 18-12 V4A with PE	◦ #	125	121	130	+70°C	V4A	M8	0,32	
D03E-1007	RRD 18-14 V4A with PE	◦ #	140	131	150	+70°C	V4A	M8	0,32	
D03E-1008	RRD 18-16 V4A with PE	◦ #	160	151	170	+70°C	V4A	M8	0,32	
Opening Dimensions 200 x 100 mm										
D03A-1009	RRD 21-14+15 galv with PE	• 7,68	140	150	130	155	+70°C	galv	M8	0,36
D03A-1010	RRD 21-16+18 galv with PE	• 7,68	160	180	156	190	+70°C	galv	M8	0,36
D03A-1011	RRD 21-20+22 galv with PE	• 7,68	200	224	191	240	+70°C	galv	M8	0,36
D03A-1012	RRD 21-25+28 galv with PE	• 7,68	250	280	241	300	+70°C	galv	M8	0,36
D03A-1013	RRD 21-31+35 galv with PE	• 7,68	315	355	301	360	+70°C	galv	M8	0,36
D03B-1009	RRD 21-14+15 V2A with PE	◦ 29,23	140	150	130	155	+70°C	V2A	M8	0,41
D03B-1010	RRD 21-16+18 V2A with PE	◦ 29,23	160	180	156	190	+70°C	V2A	M8	0,41
D03B-1011	RRD 21-20+22 V2A with PE	◦ 29,23	200	224	191	240	+70°C	V2A	M8	0,41
D03B-1012	RRD 21-25+28 V2A with PE	◦ 29,23	250	280	241	300	+70°C	V2A	M8	0,41
D03B-1013	RRD 21-31+35 V2A with PE	◦ 29,23	315	355	301	360	+70°C	V2A	M8	0,41
D03C-1009	RRD 21-14+15 Alu with PE	◦ 21,98	140	150	130	155	+70°C	Alu	M8	0,22
D03C-1010	RRD 21-16+18 Alu with PE	◦ 21,98	160	180	156	190	+70°C	Alu	M8	0,22
D03C-1011	RRD 21-20+22 Alu with PE	◦ 21,98	200	224	191	240	+70°C	Alu	M8	0,22
D03C-1012	RRD 21-25+28 Alu with PE	◦ 21,98	250	280	241	300	+70°C	Alu	M8	0,22
D03C-1013	RRD 21-31+35 Alu with PE	◦ 21,98	315	355	301	360	+70°C	Alu	M8	0,22
D03E-1009	RRD 21-14+15 V4A with PE	◦ #	140	150	130	155	+70°C	V4A	M8	0,36
D03E-1010	RRD 21-16+18 V4A with PE	◦ #	160	180	156	190	+70°C	V4A	M8	0,36
D03E-1011	RRD 21-20+22 V4A with PE	◦ #	200	224	191	240	+70°C	V4A	M8	0,36
D03E-1012	RRD 21-25+28 V4A with PE	◦ #	250	280	241	300	+70°C	V4A	M8	0,36
D03E-1013	RRD 21-31+35 V4A with PE	◦ #	315	355	301	360	+70°C	V4A	M8	0,36

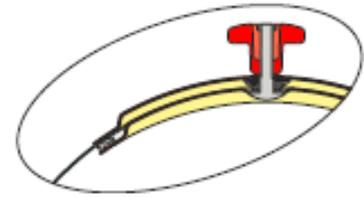
Access Doors RRD



With polyethylene (PE) gasket

PE gasket: see additional information ZI-201

Aluminum and stainless steel V4A versions:
springs, screws and bolts are made of
stainless steel V2A.



• Standard ◦ Special # Upon Request

Art.Nr.	Description	€/ea.	Ø Stand. mm	Ø min. mm	Ø max. mm	Max. Temp. °C	Material	Knobs	kg/ea. #
Opening Dimensions 300 x 200 mm									
D03A-1014	RRD 32-28 galv with PE	• 11,10	280	260	300	+70°C	galv	M10	1,10
D03A-1015	RRD 32-31 galv with PE	• 11,10	315	301	340	+70°C	galv	M10	1,10
D03A-1016	RRD 32-35 galv with PE	• 11,10	355	341	380	+70°C	galv	M10	1,10
D03A-1017	RRD 32-40 galv with PE	• 11,10	400	381	420	+70°C	galv	M10	1,10
D03A-1018	RRD 32-45 galv with PE	• 11,10	450	421	470	+70°C	galv	M10	1,10
D03A-1019	RRD 32-50 galv with PE	• 11,10	500	471	530	+70°C	galv	M10	1,10
D03B-1014	RRD 32-28 V2A with PE	◦ 39,77	280	260	300	+70°C	V2A	M10	1,00
D03B-1015	RRD 32-31 V2A with PE	◦ 39,77	315	301	340	+70°C	V2A	M10	1,00
D03B-1016	RRD 32-35 V2A with PE	◦ 39,77	355	341	380	+70°C	V2A	M10	1,00
D03B-1017	RRD 32-40 V2A with PE	◦ 39,77	400	381	420	+70°C	V2A	M10	1,00
D03B-1018	RRD 32-45 V2A with PE	◦ 39,77	450	421	470	+70°C	V2A	M10	1,00
D03B-1019	RRD 32-50 V2A with PE	◦ 39,77	500	471	530	+70°C	V2A	M10	1,00
D03C-1014	RRD 32-28 Alu with PE	◦ 30,77	280	260	300	+70°C	Alu	M10	0,50
D03C-1015	RRD 32-31 Alu with PE	◦ 30,77	315	301	340	+70°C	Alu	M10	0,50
D03C-1016	RRD 32-35 Alu with PE	◦ 30,77	355	341	380	+70°C	Alu	M10	0,50
D03C-1017	RRD 32-40 Alu with PE	◦ 30,77	400	381	420	+70°C	Alu	M10	0,50
D03C-1018	RRD 32-45 Alu with PE	◦ 30,77	450	421	470	+70°C	Alu	M10	0,50
D03C-1019	RRD 32-50 Alu with PE	◦ 30,77	500	471	530	+70°C	Alu	M10	0,50
D03E-1014	RRD 32-28 V4A with PE	◦ #	280	260	300	+70°C	V4A	M10	1,00
D03E-1015	RRD 32-31 V4A with PE	◦ #	315	301	340	+70°C	V4A	M10	1,00
D03E-1016	RRD 32-35 V4A with PE	◦ #	355	341	380	+70°C	V4A	M10	1,00
D03E-1017	RRD 32-40 V4A with PE	◦ #	400	381	420	+70°C	V4A	M10	1,00
D03E-1018	RRD 32-45 V4A with PE	◦ #	450	421	470	+70°C	V4A	M10	1,00
D03E-1019	RRD 32-50 V4A with PE	◦ #	500	471	530	+70°C	V4A	M10	1,00
Opening Dimensions 400 x 300 mm									
D03A-1020	RRD 43-40 galv with PE	• 15,59	400	370	420	+70°C	galv	M10	2,00
D03A-1021	RRD 43-45 galv with PE	• 15,59	450	421	470	+70°C	galv	M10	2,00
D03A-1022	RRD 43-50 galv with PE	• 15,59	500	471	530	+70°C	galv	M10	2,00
D03A-1023	RRD 43-56 galv with PE	• 15,59	560	531	600	+70°C	galv	M10	2,00
D03A-1024	RRD 43-63 galv with PE	• 15,59	630	601	670	+70°C	galv	M10	2,00
D03A-1025	RRD 43-71 galv with PE	• 15,59	710	671	750	+70°C	galv	M10	2,00
D03A-1026	RRD 43-80 galv with PE	• 15,59	800	751	850	+70°C	galv	M10	2,00
D03A-1027	RRD 43-90 galv with PE	• 15,59	900	851	950	+70°C	galv	M10	2,00
D03B-1020	RRD 43-40 V2A with PE	◦ 53,63	400	370	420	+70°C	V2A	M10	2,10
D03B-1021	RRD 43-45 V2A with PE	◦ 53,63	450	421	470	+70°C	V2A	M10	2,10
D03B-1022	RRD 43-50 V2A with PE	◦ 53,63	500	471	530	+70°C	V2A	M10	2,10
D03B-1023	RRD 43-56 V2A with PE	◦ 53,63	560	531	600	+70°C	V2A	M10	2,10
D03B-1024	RRD 43-63 V2A with PE	◦ 53,63	630	601	670	+70°C	V2A	M10	2,10
D03B-1025	RRD 43-71 V2A with PE	◦ 53,63	710	671	750	+70°C	V2A	M10	2,10
D03B-1026	RRD 43-80 V2A with PE	◦ 53,63	800	751	850	+70°C	V2A	M10	2,10
D03B-1027	RRD 43-90 V2A with PE	◦ 53,63	900	851	950	+70°C	V2A	M10	2,10
D03C-1020	RRD 43-40 Alu with PE	◦ 42,32	400	370	420	+70°C	Alu	M10	0,80
D03C-1021	RRD 43-45 Alu with PE	◦ 42,32	450	421	470	+70°C	Alu	M10	0,80
D03C-1022	RRD 43-50 Alu with PE	◦ 42,32	500	471	530	+70°C	Alu	M10	0,80
D03C-1023	RRD 43-56 Alu with PE	◦ 42,32	560	531	600	+70°C	Alu	M10	0,80
D03C-1024	RRD 43-63 Alu with PE	◦ 42,32	630	601	670	+70°C	Alu	M10	0,80
D03C-1025	RRD 43-71 Alu with PE	◦ 42,32	710	671	750	+70°C	Alu	M10	0,80
D03C-1026	RRD 43-80 Alu with PE	◦ 42,32	800	751	850	+70°C	Alu	M10	0,80
D03C-1027	RRD 43-90 Alu with PE	◦ 42,32	900	851	950	+70°C	Alu	M10	0,80
D03E-1020	RRD 43-40 V4A with PE	◦ #	400	370	420	+70°C	V4A	M10	2,00
D03E-1021	RRD 43-45 V4A with PE	◦ #	450	421	470	+70°C	V4A	M10	2,00
D03E-1022	RRD 43-50 V4A with PE	◦ #	500	471	530	+70°C	V4A	M10	2,00
D03E-1023	RRD 43-56 V4A with PE	◦ #	560	531	600	+70°C	V4A	M10	2,00
D03E-1024	RRD 43-63 V4A with PE	◦ #	630	601	670	+70°C	V4A	M10	2,00
D03E-1025	RRD 43-71 V4A with PE	◦ #	710	671	750	+70°C	V4A	M10	2,00
D03E-1026	RRD 43-80 V4A with PE	◦ #	800	751	850	+70°C	V4A	M10	2,00
D03E-1027	RRD 43-90 V4A with PE	◦ #	900	851	950	+70°C	V4A	M10	2,00

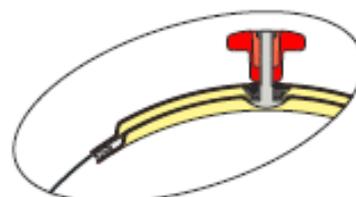
Access Doors RRD



With polyethylene (PE) gasket

PE gasket: see additional information Z1-201

Aluminum and stainless steel V4A versions: springs, screws and bolts are made of stainless steel V2A.



• Standard ◦ Special # Upon Request

Art.Nr.	Description	€/ea.	∅ Stand. mm	∅ min. mm	∅ max. mm	Max. Temp. °C	Material	Knobs	kg/ea.
Opening Dimensions 500 x 400 mm									
D03A-1028	RRD 54-56 galv with PE	• 24,20	560	520	600	+70°C	galv	M12	4,00
D03A-1029	RRD 54-63 galv with PE	• 24,20	630	601	670	+70°C	galv	M12	4,00
D03A-1030	RRD 54-71 galv with PE	• 24,20	710	671	750	+70°C	galv	M12	4,00
D03A-1031	RRD 54-80 galv with PE	• 24,20	800	751	850	+70°C	galv	M12	4,00
D03A-1032	RRD 54-90 galv with PE	• 24,20	900	851	950	+70°C	galv	M12	4,00
D03A-1033	RRD 54-100 galv with PE	• 24,20	1000	951	1060	+70°C	galv	M12	4,00
D03A-1034	RRD 54-112 galv with PE	• 24,20	1120	1061	1180	+70°C	galv	M12	4,00
D03A-1035	RRD 54-125 galv with PE	• 24,20	1250	1181	1320	+70°C	galv	M12	4,00
D03A-1036	RRD 54-140 galv with PE	• 24,20	1400	1321	1500	+70°C	galv	M12	4,00
D03A-1037	RRD 54-160 galv with PE	• 24,20	1600	1501	1800	+70°C	galv	M12	4,00
D03B-1028	RRD 54-56 V2A with PE	◦ 80,26	560	520	600	+70°C	V2A	M12	4,10
D03B-1029	RRD 54-63 V2A with PE	◦ 80,26	630	601	670	+70°C	V2A	M12	4,10
D03B-1030	RRD 54-71 V2A with PE	◦ 80,26	710	671	750	+70°C	V2A	M12	4,10
D03B-1031	RRD 54-80 V2A with PE	◦ 80,26	800	751	850	+70°C	V2A	M12	4,10
D03B-1032	RRD 54-90 V2A with PE	◦ 80,26	900	851	950	+70°C	V2A	M12	4,10
D03B-1033	RRD 54-100 V2A with PE	◦ 80,26	1000	951	1060	+70°C	V2A	M12	4,10
D03B-1034	RRD 54-112 V2A with PE	◦ 80,26	1120	1061	1180	+70°C	V2A	M12	4,10
D03B-1035	RRD 54-125 V2A with PE	◦ 80,26	1250	1181	1320	+70°C	V2A	M12	4,10
D03B-1036	RRD 54-140 V2A with PE	◦ 80,26	1400	1321	1500	+70°C	V2A	M12	4,10
D03B-1037	RRD 54-160 V2A with PE	◦ 80,26	1600	1501	1800	+70°C	V2A	M12	4,10
D03C-1028	RRD 54-56 Alu with PE	◦ 64,50	560	520	600	+70°C	Alu	M12	1,90
D03C-1029	RRD 54-63 Alu with PE	◦ 64,50	630	601	670	+70°C	Alu	M12	1,90
D03C-1030	RRD 54-71 Alu with PE	◦ 64,50	710	671	750	+70°C	Alu	M12	1,90
D03C-1031	RRD 54-80 Alu with PE	◦ 64,50	800	751	850	+70°C	Alu	M12	1,90
D03C-1032	RRD 54-90 Alu with PE	◦ 64,50	900	851	950	+70°C	Alu	M12	1,90
D03C-1033	RRD 54-100 Alu with PE	◦ 64,50	1000	951	1060	+70°C	Alu	M12	1,90
D03C-1034	RRD 54-112 Alu with PE	◦ 64,50	1120	1061	1180	+70°C	Alu	M12	1,90
D03C-1035	RRD 54-125 Alu with PE	◦ 64,50	1250	1181	1320	+70°C	Alu	M12	1,90
D03C-1036	RRD 54-140 Alu with PE	◦ 64,50	1400	1321	1500	+70°C	Alu	M12	1,90
D03C-1037	RRD 54-160 Alu with PE	◦ 64,50	1600	1501	1800	+70°C	Alu	M12	1,90
D03E-1028	RRD 54-56 V4A with PE	◦ #	560	520	600	+70°C	V4A	M12	4,00
D03E-1029	RRD 54-63 V4A with PE	◦ #	630	601	670	+70°C	V4A	M12	4,00
D03E-1030	RRD 54-71 V4A with PE	◦ #	710	671	750	+70°C	V4A	M12	4,00
D03E-1031	RRD 54-80 V4A with PE	◦ #	800	751	850	+70°C	V4A	M12	4,00
D03E-1032	RRD 54-90 V4A with PE	◦ #	900	851	950	+70°C	V4A	M12	4,00
D03E-1033	RRD 54-100 V4A with PE	◦ #	1000	951	1060	+70°C	V4A	M12	4,00
D03E-1034	RRD 54-112 V4A with PE	◦ #	1120	1061	1180	+70°C	V4A	M12	4,00
D03E-1035	RRD 54-125 V4A with PE	◦ #	1250	1181	1320	+70°C	V4A	M12	4,00
D03E-1036	RRD 54-140 V4A with PE	◦ #	1400	1321	1500	+70°C	V4A	M12	4,00
D03E-1037	RRD 54-160 V4A with PE	◦ #	1600	1501	1800	+70°C	V4A	M12	4,00

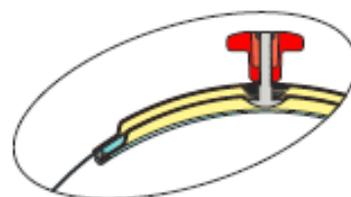
Access Doors RRD



With silicone (SI) gasket

The silicone ring is placed along the edge of the inner access door panel.

SI gasket: see additional information ZI-211



• Standard ◦ Special # Upon Request

Art.Nr.	Description	€/ea.	∅ Stand. mm	∅ min. mm	∅ max. mm	Max. Temp. °C	Material	Knobs	kg/ea. #	
Opening Dimensions 180 x 80 mm										
D03A-1801	RRD 18-7 galv with SI	◦ 14,24	71	68	75	+80°C	galv	M8	0,32	
D03A-1802	RRD 18-8 galv with SI	◦ 14,24	80	76	85	+80°C	galv	M8	0,32	
D03A-1803	RRD 18-9 galv with SI	◦ 14,24	90	86	95	+80°C	galv	M8	0,32	
D03A-1804	RRD 18-10 galv with SI	◦ 14,24	100	96	105	+80°C	galv	M8	0,32	
D03A-1805	RRD 18-11 galv with SI	◦ 14,24	112	106	120	+80°C	galv	M8	0,32	
D03A-1806	RRD 18-12 galv with SI	◦ 14,24	125	121	130	+80°C	galv	M8	0,32	
D03A-1807	RRD 18-14 galv with SI	◦ 14,24	140	131	150	+80°C	galv	M8	0,32	
D03A-1808	RRD 18-16 galv with SI	◦ 14,24	160	151	170	+80°C	galv	M8	0,32	
D03B-1801	RRD 18-7 V2A with SI	◦ 33,22	71	68	75	+80°C	V2A	M8	0,32	
D03B-1802	RRD 18-8 V2A with SI	◦ 33,22	80	76	85	+80°C	V2A	M8	0,32	
D03B-1803	RRD 18-9 V2A with SI	◦ 33,22	90	86	95	+80°C	V2A	M8	0,32	
D03B-1804	RRD 18-10 V2A with SI	◦ 33,22	100	96	105	+80°C	V2A	M8	0,32	
D03B-1805	RRD 18-11 V2A with SI	◦ 33,22	112	106	120	+80°C	V2A	M8	0,32	
D03B-1806	RRD 18-12 V2A with SI	◦ 33,22	125	121	130	+80°C	V2A	M8	0,32	
D03B-1807	RRD 18-14 V2A with SI	◦ 33,22	140	131	150	+80°C	V2A	M8	0,32	
D03B-1808	RRD 18-16 V2A with SI	◦ 33,22	160	151	170	+80°C	V2A	M8	0,32	
Opening Dimensions 200 x 100 mm										
D03A-1809	RRD 21-14+15 galv with SI	◦ 15,07	140	150	130	155	+80°C	galv	M8	0,40
D03A-1810	RRD 21-16+18 galv with SI	◦ 15,07	160	180	156	190	+80°C	galv	M8	0,40
D03A-1811	RRD 21-20+22 galv with SI	◦ 15,07	200	224	191	240	+80°C	galv	M8	0,40
D03A-1812	RRD 21-25+28 galv with SI	◦ 15,07	250	280	241	300	+80°C	galv	M8	0,40
D03A-1813	RRD 21-31+35 galv with SI	◦ 15,07	315	355	301	360	+80°C	galv	M8	0,40
D03B-1809	RRD 21-14+15 V2A with SI	◦ 44,11	140	150	130	155	+80°C	V2A	M8	0,45
D03B-1810	RRD 21-16+18 V2A with SI	◦ 44,11	160	180	156	190	+80°C	V2A	M8	0,45
D03B-1811	RRD 21-20+22 V2A with SI	◦ 44,11	200	224	191	240	+80°C	V2A	M8	0,45
D03B-1812	RRD 21-25+28 V2A with SI	◦ 44,11	250	280	241	300	+80°C	V2A	M8	0,45
D03B-1813	RRD 21-31+35 V2A with SI	◦ 44,11	315	355	301	360	+80°C	V2A	M8	0,45
Opening Dimensions 300 x 200 mm										
D03A-1814	RRD 32-28 galv with SI	◦ 21,67	280	260	300	+80°C	galv	M10	1,15	
D03A-1815	RRD 32-31 galv with SI	◦ 21,67	315	301	340	+80°C	galv	M10	1,15	
D03A-1816	RRD 32-35 galv with SI	◦ 21,67	355	341	380	+80°C	galv	M10	1,15	
D03A-1817	RRD 32-40 galv with SI	◦ 21,67	400	381	420	+80°C	galv	M10	1,15	
D03A-1818	RRD 32-45 galv with SI	◦ 21,67	450	421	470	+80°C	galv	M10	1,15	
D03A-1819	RRD 32-50 galv with SI	◦ 21,67	500	471	530	+80°C	galv	M10	1,15	
D03B-1814	RRD 32-28 V2A with SI	◦ 55,55	280	260	300	+80°C	V2A	M10	1,10	
D03B-1815	RRD 32-31 V2A with SI	◦ 55,55	315	301	340	+80°C	V2A	M10	1,10	
D03B-1816	RRD 32-35 V2A with SI	◦ 55,55	355	341	380	+80°C	V2A	M10	1,10	
D03B-1817	RRD 32-40 V2A with SI	◦ 55,55	400	381	420	+80°C	V2A	M10	1,10	
D03B-1818	RRD 32-45 V2A with SI	◦ 55,55	450	421	470	+80°C	V2A	M10	1,10	
D03B-1819	RRD 32-50 V2A with SI	◦ 55,55	500	471	530	+80°C	V2A	M10	1,10	
Opening Dimensions 400 x 300 mm										
D03A-1820	RRD 43-40 galv with SI	◦ 30,70	400	370	420	+80°C	galv	M10	2,15	
D03A-1821	RRD 43-45 galv with SI	◦ 30,70	450	421	470	+80°C	galv	M10	2,15	
D03A-1822	RRD 43-50 galv with SI	◦ 30,70	500	471	530	+80°C	galv	M10	2,15	
D03A-1823	RRD 43-56 galv with SI	◦ 30,70	560	531	600	+80°C	galv	M10	2,15	
D03A-1824	RRD 43-63 galv with SI	◦ 30,70	630	601	670	+80°C	galv	M10	2,15	
D03A-1825	RRD 43-71 galv with SI	◦ 30,70	710	671	750	+80°C	galv	M10	2,15	
D03A-1826	RRD 43-80 galv with SI	◦ 30,70	800	751	850	+80°C	galv	M10	2,15	
D03A-1827	RRD 43-90 galv with SI	◦ 30,70	900	851	950	+80°C	galv	M10	2,15	
D03B-1820	RRD 43-40 V2A with SI	◦ 70,51	400	370	420	+80°C	V2A	M10	2,20	
D03B-1821	RRD 43-45 V2A with SI	◦ 70,51	450	421	470	+80°C	V2A	M10	2,20	
D03B-1822	RRD 43-50 V2A with SI	◦ 70,51	500	471	530	+80°C	V2A	M10	2,20	
D03B-1823	RRD 43-56 V2A with SI	◦ 70,51	560	531	600	+80°C	V2A	M10	2,20	
D03B-1824	RRD 43-63 V2A with SI	◦ 70,51	630	601	670	+80°C	V2A	M10	2,20	
D03B-1825	RRD 43-71 V2A with SI	◦ 70,51	710	671	750	+80°C	V2A	M10	2,20	
D03B-1826	RRD 43-80 V2A with SI	◦ 70,51	800	751	850	+80°C	V2A	M10	2,20	
D03B-1827	RRD 43-90 V2A with SI	◦ 70,51	900	851	950	+80°C	V2A	M10	2,20	

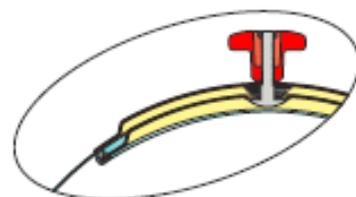
Access Doors RRD



With silicone (SI) gasket

The silicone ring is placed along the edge of the inner access door panel.

SI gasket: see additional information ZI-211



• Standard ◦ Special # Upon Request

Art.Nr.	Description	€/ea.	∅ Stand. mm	∅ min. mm	∅ max. mm	Max. Temp. °C	Material	Knobs	kg/ea.
Opening Dimensions 500 x 400 mm									
D03A-1828	RRD 54-56 galv with SI	◦ 42,56	560	520	600	+80°C	galv	M12	4,20
D03A-1829	RRD 54-63 galv with SI	◦ 42,56	630	601	670	+80°C	galv	M12	4,20
D03A-1830	RRD 54-71 galv with SI	◦ 42,56	710	671	750	+80°C	galv	M12	4,20
D03A-1831	RRD 54-80 galv with SI	◦ 42,56	800	751	850	+80°C	galv	M12	4,20
D03A-1832	RRD 54-90 galv with SI	◦ 42,56	900	851	950	+80°C	galv	M12	4,20
D03A-1833	RRD 54-100 galv with SI	◦ 42,56	1000	951	1060	+80°C	galv	M12	4,20
D03A-1834	RRD 54-112 galv with SI	◦ 42,56	1120	1061	1180	+80°C	galv	M12	4,20
D03A-1835	RRD 54-125 galv with SI	◦ 42,56	1250	1181	1320	+80°C	galv	M12	4,20
D03A-1836	RRD 54-140 galv with SI	◦ 42,56	1400	1321	1500	+80°C	galv	M12	4,20
D03A-1837	RRD 54-160 galv with SI	◦ 42,56	1600	1501	1800	+80°C	galv	M12	4,20
D03B-1828	RRD 54-56 V2A with SI	◦ 97,90	560	520	600	+80°C	V2A	M12	4,30
D03B-1829	RRD 54-63 V2A with SI	◦ 97,90	630	601	670	+80°C	V2A	M12	4,30
D03B-1830	RRD 54-71 V2A with SI	◦ 97,90	710	671	750	+80°C	V2A	M12	4,30
D03B-1831	RRD 54-80 V2A with SI	◦ 97,90	800	751	850	+80°C	V2A	M12	4,30
D03B-1832	RRD 54-90 V2A with SI	◦ 97,90	900	851	950	+80°C	V2A	M12	4,30
D03B-1833	RRD 54-100 V2A with SI	◦ 97,90	1000	951	1060	+80°C	V2A	M12	4,30
D03B-1834	RRD 54-112 V2A with SI	◦ 97,90	1120	1061	1180	+80°C	V2A	M12	4,30
D03B-1835	RRD 54-125 V2A with SI	◦ 97,90	1250	1181	1320	+80°C	V2A	M12	4,30
D03B-1836	RRD 54-140 V2A with SI	◦ 97,90	1400	1321	1500	+80°C	V2A	M12	4,30
D03B-1837	RRD 54-160 V2A with SI	◦ 97,90	1600	1501	1800	+80°C	V2A	M12	4,30



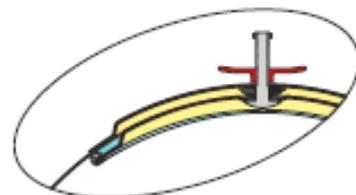
With silicone gasket and metal knobs (SI HT)

for higher temperatures

The silicone ring is placed along the edge of the inner access door panel.

SI gasket: see additional information ZI-211

Operating temperature: max. °C +200°C



Access Doors RRD



Installation Instructions

[Installation video
www.metu.de](http://www.metu.de)

Duct Wall Thicknesses

Standard access doors with polyethylene, vitreous fibers or silicon gaskets: Max. 5 mm

For thicker duct wall thickness special access door versions with longer bolts can be ordered.

Access doors with rubber edge molding (SKK):
max. 2 mm

Knob Torques

To determine the knobs' required torque, these have been firmly tighten per hand before reading the achieved torque on a dynamometric wrench:

Torques for M8 knobs	1.000 to 1.500 N
Torques for M10 knobs	1.200 to 1.700 N
Torques for M12 knobs	2.000 to 3.000 N

	RRD 18	RRD 21	RRD 32	RRD 43	RRD 54
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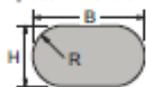
Top Required Clearance (after installing and securing the access door)



≈ 36 mm ≈ 40 mm ≈ 55 mm ≈ 60 mm ≈ 70 mm

The steel knobs require the same clearance since the same bolt length is required to operate the access door properly.

Template Dimensions (≙ opening dimensions)



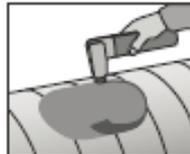
B:	182 mm	200 mm	298 mm	400 mm	496 mm
H:	76 mm	97 mm	194 mm	290 mm	390 mm
R:	38 mm	48,5 mm	97 mm	145 mm	195 mm

Dimensions when template rests on a flat surface.

RRD with Polyethylene (PE) Gasket (Standard) and Vitreous Fibers Gasket (HT-Version for higher temperatures)



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



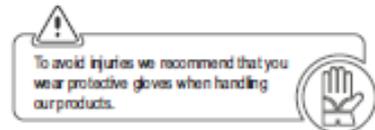
Cut the opening following the edge of the template.



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 center it and tighten the knobs.



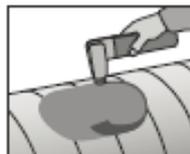
HT-Versions: Binders and adhesives tend to crumble when exposed to temperatures above 200°C. Should that be the case the gaskets must be replaced after each opening of the access door.



RRD with Self-adhesive Rubber Edge Molding (SKK)



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



Cut the opening following the edge of the template.



The SKK molding is fitted with injected glue. It can be applied on duct walls up to 2 mm thick (Gage ≈14)



The thicker lip of the SKK must be inside the duct. Apply the SKK molding so that the duct wall enters as deeply as possible into its pocket.



Both ends should meet at a straight section of the opening. Cut the SKK at the right length so that both ends press slightly against one another without overlapping.



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 center it and tighten the knobs.

RRD with Silicon (SI) Gasket



Place the silicon ring around the edge of the inner access door panel, making sure that the thicker side is between the two access door panels.



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 center it and tighten the knobs.