

High vacuum ducting

Galvanized ducting

Stainless steel ducting

Accessories

CAAA Pipes



CAAA Pipes

Longitudinally welded pipes with a thickness of 1.25 to 2 mm and completely airtight in standard lengths of 3 or 6 meters.

Material

Sendzimir galvanized DX51 - Z200.

Type

With straight edges for a good connection with pipe connectors.

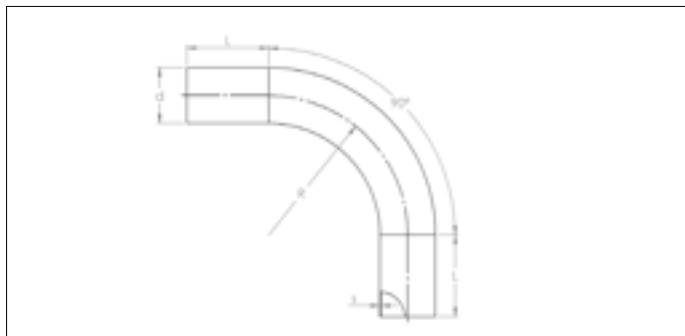
3 m pipes

Ø d	Code	Ø mm	L mm	S mm	Weight kg
50	CAAA000010	50	3000	1.20	4.40
63	CAAA000011	63	3000	1.20	5.55
76	CAAA000012	76	3000	1.50	8.38
89	CAAA000013	89	3000	1.50	9.81
102	CAAA000014	102	3000	1.50	11.26
114	CAAA000015	114	3000	1.50	12.58
127	CAAA000016	127	3000	1.50	14.00
152	CAAA000017	152	3000	2.00	16.76
203	CAAA000018	203	3000	2.00	22.38

6 m pipes

Ø d	Code	Ø mm	L mm	S mm	Weight kg
50	CAAA000001	50	6000	1.20	8.80
63	CAAA000002	63	6000	1.20	11.10
76	CAAA000003	76	6000	1.50	16.76
89	CAAA000004	89	6000	1.50	19.62
102	CAAA000005	102	6000	1.50	22.52
114	CAAA000006	114	6000	1.50	25.16
127	CAAA000007	127	6000	1.50	28.00
152	CAAA000008	152	6000	2.00	35.52
203	CAAA000009	203	6000	2.00	44.76

CABA Bends



CABA Bends

Longitudinally welded bends with a thickness of 1.5 to 2 mm and completely airtight available in 45° and 90°.

They are attached to the pipe by means of pipe connectors.

Material

Electro-galvanized blacksteel (10µm).

Type

With straight edges for a good connection with pipe connectors.

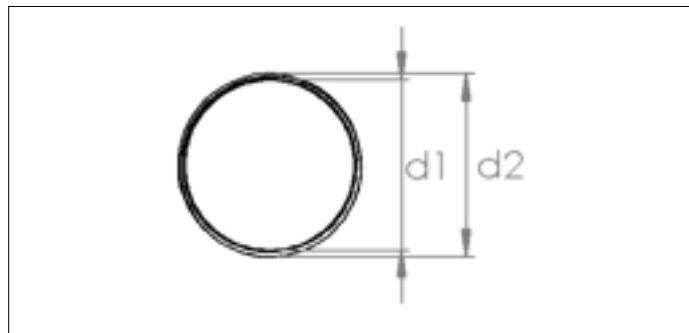
45° bends

Ø d	Code	Ø mm	R mm	L mm	S mm	Weight kg
50	CABA000010	50	125.0	150	1.50	0.60
63	CABA000011	63	157.5	150	1.50	0.80
76	CABA000012	76	190.0	150	1.50	1.20
89	CABA000013	89	178.0	150	2.00	1.60
102	CABA000014	102	254.0	170	2.00	2.20
114	CABA000015	114	207.0	179	2.00	2.30
127	CABA000016	127	317.5	170	2.00	3.10
152	CABA000017	152	305.0	400	2.00	5.00
203	CABA000018	203	400.0	100	2.00	5.20

90° bends

Ø d	Code	Ø mm	R mm	L mm	S mm	Weight kg
50	CABA000001	50	125.0	150	1.50	0.80
63	CABA000002	63	157.5	150	1.50	1.10
76	CABA000003	76	190.0	150	1.50	1.30
89	CABA000004	89	178.0	150	2.00	1.90
102	CABA000005	102	254.0	170	2.00	3.40
114	CABA000006	114	207.0	179	2.00	3.70
127	CABA000007	127	317.5	170	2.00	4.80
152	CABA000008	152	305.0	400	2.00	5.10
203	CABA000009	203	400.0	100	2.00	8.80

CZBA Flexible bends



CZBA Flexible bends

Universal flexible bends for the suction of dusts, chips, metal particles, gases, etc., in the wood industries, furniture manufacturing, mechanical and metallurgic industries and other industries.

These are held in place on the ductwork by means of the GADB hose clamps (see Connecting components).

! The exterior diameter is measured from the top of the corrugations.

Advantages

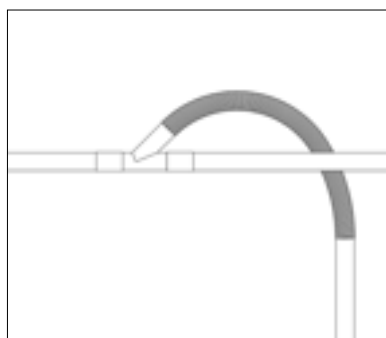
- Light and very flexible.
- Excellent bend radius.
- Recommended when low weight and easy handling are valued.

Technical characteristics

- Inner tube: wear resistant SBR/NR, black, smooth.
- Reinforcement: synthetic textile with embedded steel helix.
- Outer coating: wear and weather resistant SBR/NR, black, corrugated.
- Temperature range: -40°C to +90°C.
- Electrical properties: conductive tube and outer coating, $R < 10^6 \Omega/\text{cm}$.

Options

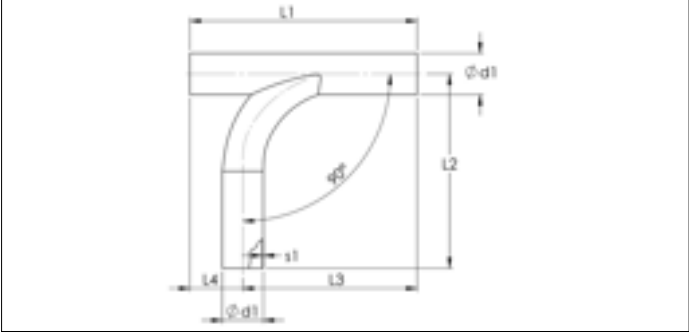
- HD version (High density), identical as above but thicker.



Example of bend installed in ductwork

Ø d	Code	d1 Ø mm	d2 Ø mm	Max. bend radius mm	Max. underpressure bar	Weight kg
51	CZBA000001	50	56	70	0.90	0.63
63	CZBA000002	63	68	95	0.90	0.72
76	CZBA000003	76	81	115	0.90	0.86
102	CZBA000004	102	108	145	0.90	1.32
127	CZBA000005	127	134	170	0.70	1.63
152	CZBA000006	152	159	195	0.40	1.94
203	CZBA000007	203	211	245	0.15	3.06

CACA Curved branches



CACA Curved branches

High vacuum branches developed with a curved bend at 90° for a better airflow.

This also means that less components are needed for the mounting (no extra bend and connector) which in turn reduces the mounting time.

They are attached to the pipe by means of pipe connectors.

Material

Sendzimir galvanized.

Type

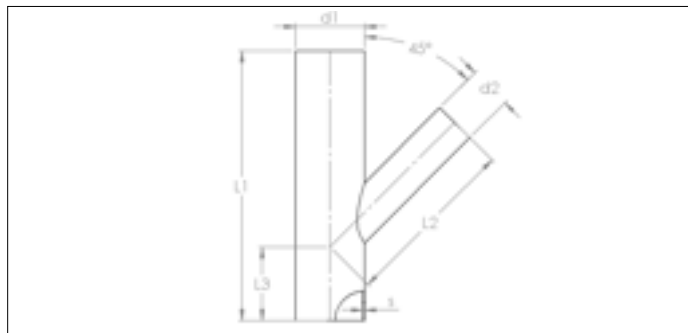
With straight edges for a good connection with pipe connectors.

! Advantages

- Better airflow
- Less connectors for the assembly of the installation
- Less mounting time on site

Ø d	Code	L1 mm	L2 mm	L3 mm	L4 mm	S1 mm	Weight kg
50	CACA000001	350	265	225	125	1.50	1.02
63	CACA000002	350	300	268	81	1.50	1.48
76	CACA000003	400	348	315	85	1.50	1.96

CACB 45° Branches



CACB 45° Branches

Fully welded branches at 45° with a thickness of 1.5 to 2 mm and completely airtight.

They are attached to the pipe by means of pipe connectors.

Material

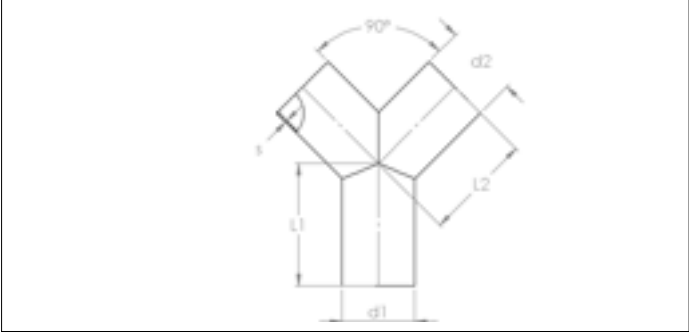
Electro-galvanized blacksteel (10µm).

Type

With straight edges for a good connection with pipe connectors.

Type	Code	d1 Ø mm	d2 Ø mm	L1 mm	L2 mm	L3 mm	S mm	Weight kg
050-038	CACB000001	50	38	300	170	115	1.25	0.70
050-050	CACB000002	50	50	300	170	115	1.50	0.70
063-050	CACB000003	63	50	300	180	115	1.50	0.90
063-063	CACB000004	63	63	300	168	118	1.50	0.90
076-050	CACB000005	76	50	300	184	115	1.50	1.00
076-063	CACB000006	76	63	300	177	117	1.50	1.20
076-076	CACB000007	76	76	300	180	120	1.50	1.30
089-089	CACB000008	89	89	300	185	115	2.00	1.20
102-050	CACB000009	102	50	400	269	150	2.00/1.50	1.70
102-063	CACB000010	102	63	400	261	109	2.00/1.50	2.30
102-076	CACB000011	102	76	400	254	165	2.00/1.50	2.00
102-102	CACB000012	102	102	400	245	125	2.00	2.00
114-114	CACB000013	114	114	400	275	130	2.00	2.30
127-050	CACB000014	127	50	400	290	125	2.00/1.50	2.00
127-063	CACB000015	127	63	400	278	115	2.00/1.50	2.80
127-076	CACB000016	127	76	400	280	110	2.00/1.50	3.10
127-102	CACB000017	127	102	400	275	130	2.00	2.40
127-127	CACB000018	127	127	400	310	135	2.00	2.50
152-050	CACB000019	152	50	500	345	160	2.00/1.50	4.10
152-063	CACB000020	152	63	500	340	160	2.00/1.50	3.80
152-076	CACB000021	152	76	500	350	165	2.00/1.50	4.20
152-102	CACB000022	152	102	500	350	165	2.00	4.10
152-127	CACB000023	152	127	500	340	180	1.50	5.20
152-152	CACB000024	152	152	500	375	180	2.00	4.60
203-050	CACB000025	203	50	600	400	180	2.00/1.25	6.20
203-063	CACB000026	203	63	600	340	250	2.00/1.25	6.40
203-076	CACB000027	203	76	600	470	165	2.00/1.50	6.50
203-102	CACB000028	203	102	600	400	200	2.00/1.50	6.90
203-127	CACB000029	203	127	600	460	160	2.00/1.50	7.00
203-152	CACB000030	203	152	600	450	190	2.00	8.00
203-203	CACB000031	203	203	600	430	210	2.00	8.20

CACC 45° Trousers



CACC 45° Trousers

Fully welded trousers at 45° with a thickness of 1.5 to 2 mm and completely airtight.

They are attached to the pipe by means of pipe connectors.

Material

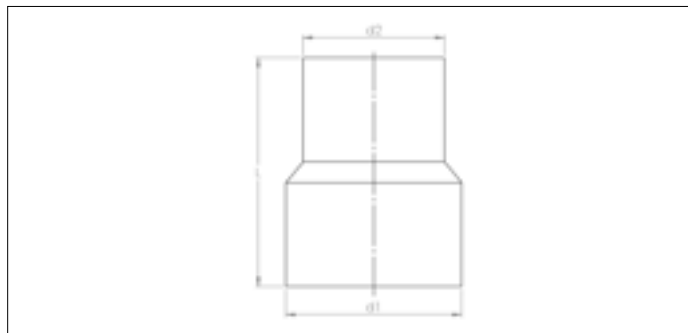
Electro-galvanized blacksteel (10µm).

Type

With straight edges for a good connection with pipe connectors.

Type	Code	Ø d1/d2 mm	L1 mm	L2 mm	S mm	Weight kg
50-50	CACC000001	50	165	130	1.50	1.00
63-63	CACC000002	63	165	130	1.50	1.10
76-76	CACC000003	76	165	135	1.50	1.20
89-89	CACC000004	89	180	150	1.50	1.30
102-102	CACC000005	102	160	150	2.00	1.80
114-114	CACC000006	114	220	220	1.50	2.40
127-127	CACC000007	127	230	210	1.50	2.60
152-152	CACC000008	152	230	225	2.00	3.80
203-203	CACC000009	203	240	250	2.00	4.20

CAEA Tapers



CAEA Tapers

Fully welded tapers with a thickness of 1.25 to 2 mm and completely airtight.

They are attached to the pipe by means of pipe connectors.

Material

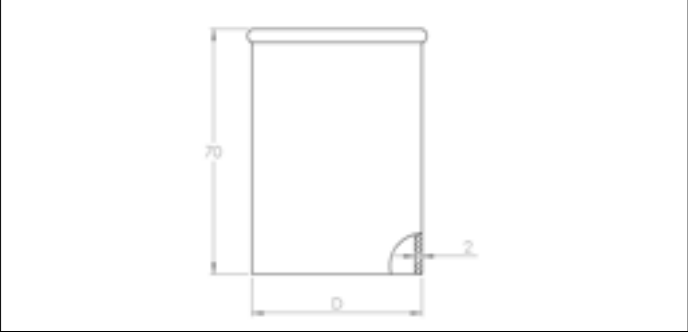
Electro-galvanized blacksteel (10µm).

Type

With straight edges for a good connection with pipe connectors.

Type	Code	d1 Ø mm	d2 Ø mm	L mm	S mm	Weight kg
050-038	CAEA000001	50	38	120	1.50	0.20
063-050	CAEA000002	63	50	165	1.50	0.30
076-050	CAEA000003	76	50	165	1.50	0.50
076-063	CAEA000004	76	63	170	1.50	0.30
089-076	CAEA000005	89	76	150	1.50	0.40
102-063	CAEA000006	102	63	170	1.50/1.25	0.50
102-076	CAEA000007	102	76	170	1.50	0.40
102-089	CAEA000008	102	89	150	2.00	0.40
114-102	CAEA000009	114	102	200	1.50	0.80
127-050	CAEA000010	127	50	250	1.50/1.25	0.80
127-063	CAEA000011	127	63	250	1.50/1.25	0.90
127-076	CAEA000012	127	76	250	1.50	0.80
127-102	CAEA000013	127	102	250	2.00	1.10
152-076	CAEA000014	152	76	250	2.00/1.50	1.20
152-102	CAEA000015	152	102	250	2.00	1.30
152-127	CAEA000016	152	127	250	2.00	1.35
203-050	CAEA000017	203	50	250	2.00/1.50	1.40
203-063	CAEA000018	203	63	250	2.00/1.50	1.40
203-076	CAEA000019	203	76	250	2.00/1.50	1.50
203-102	CAEA000020	203	102	250	2.00/1.50	1.60
203-127	CAEA000021	203	127	250	2.00/1.50	1.70
203-152	CAEA000022	203	152	250	2.00	1.90

CAGA End caps



CAGA End caps

Fully welded end caps with a thickness of 2 mm and completely airtight. Designed to close off a line.

They are attached to the pipe by means of a pipe connector.

Material

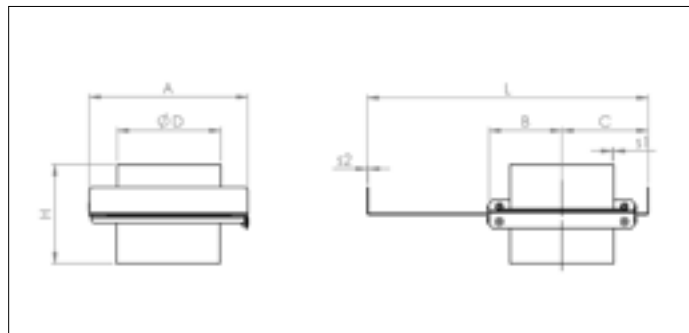
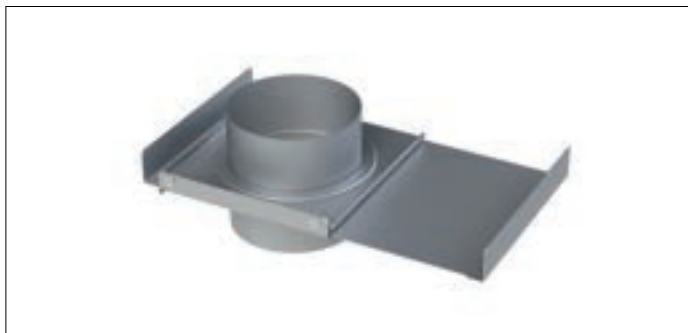
Electro-galvanized blacksteel (10µm).

Type

With a straight edge for a good connection with a pipe connector.

Ø d	Code	Ø mm	L mm	S mm	Weight kg
50	CAGA000001	50	70	1.50	0.16
63	CAGA000002	63	70	1.50	0.20
76	CAGA000003	76	70	1.50	0.25
89	CAGA000004	89	70	1.50	0.30
102	CAGA000005	102	70	2.00	0.35
114	CAGA000006	114	70	1.50	0.40
127	CAGA000007	127	70	2.00	0.50
152	CAGA000008	152	70	1.50	0.60
203	CAGA000009	203	70	1.50	0.90

CADA Manual sliding dampers



CADA Manual sliding dampers

Manual sliding dampers with gaskets, the air-tightness is achieved by two seals of EPDM and plastic. The plastic seal can be replaced by Teflon depending on the temperature.

They are attached to the pipe by means of pipe connectors.

Material

Electro-galvanized blacksteel (10µm) with EPDM and plastic seals.

Type

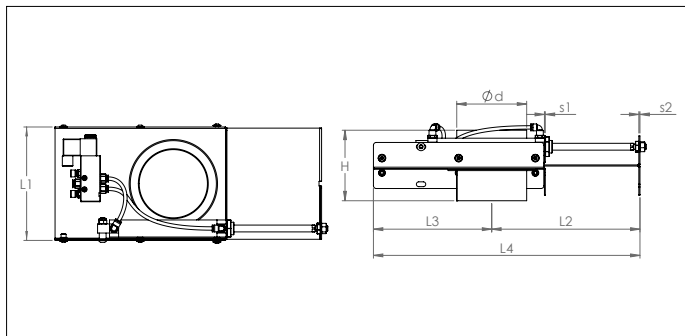
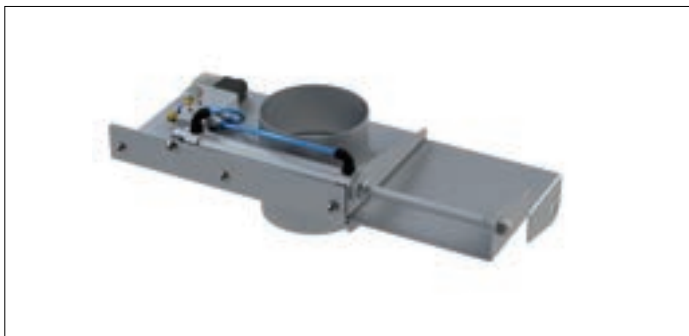
With straight edges for a good connection with pipe connectors.

Options

- Teflon instead of plastic gaskets

Ø	Code	A mm	B mm	C mm	H mm	L mm	S1 mm	S2 mm	Weight kg
50	CADA000001	157	73	92	274	245	1.50	2.00	1.97
63	CADA000002	157	73	92	274	245	1.50	2.00	2.05
76	CADA000003	157	73	92	274	245	1.50	2.00	2.10
89	CADA000004	177	82	101	313	245	1.50	2.00	2.52
102	CADA000005	177	82	101	313	245	1.50	2.00	2.57
114	CADA000006	201	95	114	358	245	1.50	2.00	3.09
127	CADA000007	201	95	114	358	245	1.50	2.00	3.15
152	CADA000008	226	107	126	413	245	1.50	2.00	3.77
203	CADA000009	276	132	151	513	245	1.50	2.00	5.12

CADB Pneumatic sliding dampers



CADB Pneumatic sliding dampers

The CADB sliding dampers are activated by pneumatic cylinders and monostable solenoid valve, the air-tightness is achieved by two seals of EPDM and plastic. The plastic seal can be replaced by Teflon depending on the temperature.

The use of the CADB pneumatic sliding dampers optimizes the installation and allows that only the machines needed are used. This also allows for lower running costs.

They are attached to the pipe by means of pipe connectors.

Material

Electro-galvanized blacksteel (10µm) with EPDM and plastic seals. Cylinder in Aluminum alloy body and chrome carbon steel rod.

Type

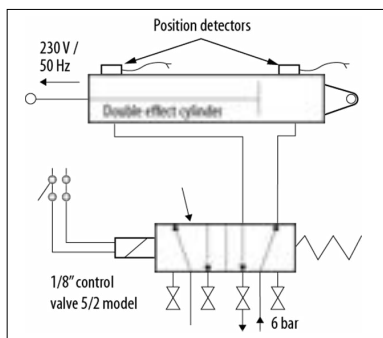
With straight edges for a good connection with pipe connectors.
Ø 50 up to Ø 152 mm : 1 cylinder.
Ø 203 mm : 2 cylinders.

Options

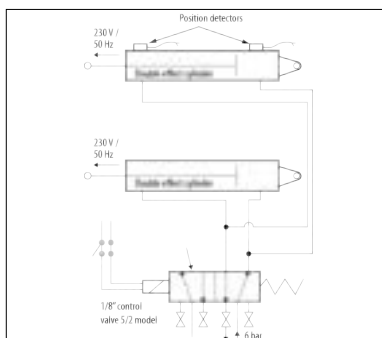
- Teflon instead of plastic gaskets
- cover house
- position indicators (5/250 V AC- DC - IP 67)
- other types of solenoid valves (bistable, manual, ATEX)
- double pneumatic cylinders
- other types of cylinders (high temperature, ATEX)

! Please state the voltage when ordering:
24 V AC, 24 V DC, 220 V AC

! Max. air pressure in pneumatic components : **8 Bar**



Connection of a linear pneumatic cylinder for pneumatic sliding dampers diameter Ø 50 up to Ø 152 mm.



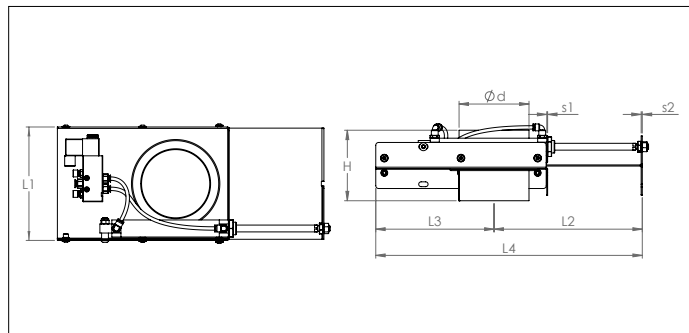
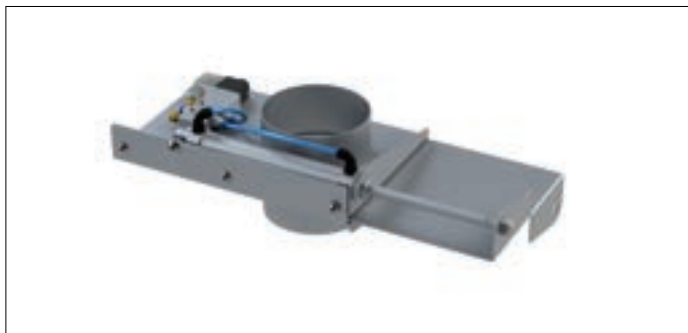
Connection of two linear pneumatic cylinders for pneumatic sliding damper diameter Ø 203 mm.



Pneumatic sliding damper cover house option.

Ø	Code	L1 mm	L2 mm	L3 mm	L4 mm	H mm	S1 mm	S2 mm	Weight kg
50	CADB000064	139	173	128	301	245	1.50	2.00	2.79
63	CADB000065	139	173	128	301	245	1.50	2.00	2.62
76	CADB000066	157	195	150	345	245	1.50	2.00	3.12
89	CADB000067	177	224	180	404	245	1.50	2.00	3.73
102	CADB000068	177	224	180	404	245	1.50	2.00	3.76
114	CADB000069	200	262	217	479	245	1.50	2.00	4.56
127	CADB000070	200	262	217	479	245	1.50	2.00	4.60
152	CADB000071	225	300	255	555	245	1.50	2.00	5.60
203	CADB000072	276	374	330	704	245	1.50	2.00	8.18

CADB Pneumatic FESTO sliding dampers



CADB Pneumatic FESTO sliding dampers

The CADB sliding dampers are activated by pneumatic Festo cylinders and monostable solenoid valve, the air-tightness is achieved by two seals of EPDM and plastic. The plastic seal can be replaced by Teflon depending on the temperature.

The use of the CADB pneumatic sliding dampers optimizes the installation and allows that only the machines needed are used. This also allows for lower running costs.

They are attached to the pipe by means of pipe connectors.

Material

Electro-galvanized blacksteel (10µm) with EPDM and plastic seals. Cylinder in Aluminum alloy body and chrome carbon steel rod.

Type

With straight edges for a good connection with pipe connectors.
Ø 50 up to Ø 152 mm : 1 cylinder.
Ø 203 mm : 2 cylinders.

Options

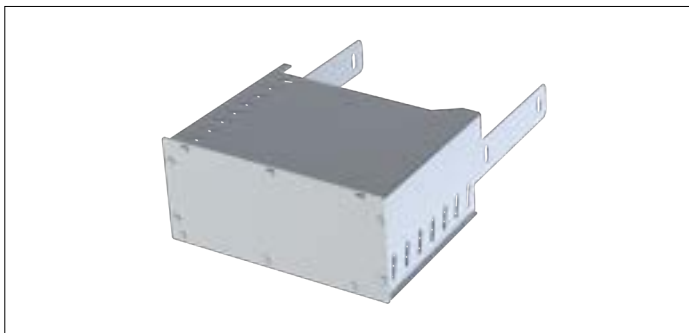
- Teflon instead of plastic gaskets
- cover house
- position indicators (5/250 V AC- DC - IP 67)
- other types of solenoid valves (bistable, manual, ATEX)
- double pneumatic cylinders
- other types of cylinders (high temperature, ATEX)

! Please state the voltage when ordering:
24 V AC, 24 V DC, 220 V AC

! Max. air pressure in pneumatic components : 8 Bar

Ø	Code 220 V AC	L1 mm	L2 mm	L3 mm	L4 mm	H mm	S1 mm	S2 mm	Weight kg
50	CADB000064	139	173	128	301	245	1.50	2.00	2.79
63	CADB000065	139	173	128	301	245	1.50	2.00	2.62
76	CADB000066	157	195	150	345	245	1.50	2.00	3.12
89	CADB000067	177	224	180	404	245	1.50	2.00	3.73
102	CADB000068	177	224	180	404	245	1.50	2.00	3.76
114	CADB000069	200	262	217	479	245	1.50	2.00	4.56
127	CADB000070	200	262	217	479	245	1.50	2.00	4.60
152	CADB000071	225	300	255	555	245	1.50	2.00	5.60
203	CADB000072	276	374	330	704	245	1.50	2.00	8.18

AADF Cover houses for CADB sliding dampers

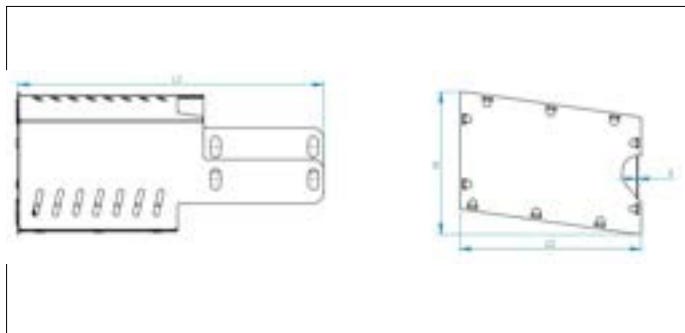


AADF cover houses for CADB sliding dampers

Cover houses for pneumatic sliding dampers, for protection against the moving parts attached with bolts/nuts onto the damper body.

Produced in 1 mm sendzimir galvanized sheet metal.

For the Ø 203 mm the protection houses offer space for 2 pneumatic cylinders.



Material

Sendzimir galvanized DX51 DZ 275 MAC.

Type

Laser cut sheets assembled together.

Options

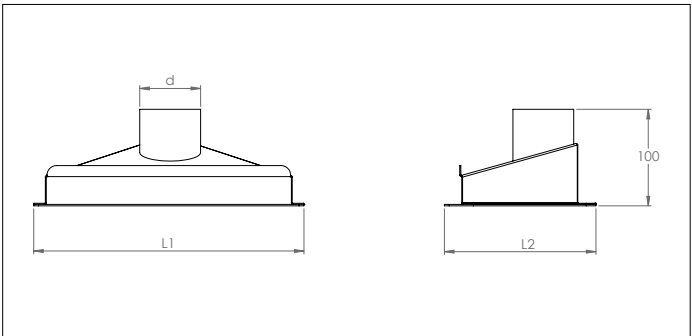
- other sheet thickness
- other materials



Cover house mounted on pneumatic sliding damper.

Ø	Code	L1 mm	L2 mm	H mm	s mm	Weight kg
50 / 63	AADF000023	250	148	127	1.00	0.69
76	AADF000001	280	166	130	1.00	0.82
89 / 102	AADF000002	320	186	132	1.00	0.96
114 / 127	AADF000003	380	209	236	1.00	1.20
152	AADF000005	430	234	139	1.00	1.45
203	AADF000008	534	285	131	1.00	1.92

CAGB Sweep-ups



CAGB Sweep-ups

The CAGB Sweep-ups are designed for the collection of debris on the floor.

A sliding damper needs to be foreseen on the ducting before the sweep-up.

They are attached to the pipe by means of a pipe connector.

Material

Sendzimir galvanized.

Type

With a straight edge for a good connection with a pipe connector.

Ø	Code	L1 mm	L2 mm	Weight kg
32	CAGB000001	139	173	0.35
38	CAGB000002	139	173	0.40
50	CAGB000003	139	173	0.50
63	CAGB000004	139	173	0.90
76	CAGB000005	157	195	1.30

CZEA Injection pipes



CZEA Injection pipes

The Venturi injection pipes make it possible to create a centralized cleaning system on an existing medium pressure industrial ducting system.

It is also a reliable and economic transport method for powders, granulates and other objects.

The suction power of the transport is adjusted according to the inlet speed. With its compact size, it is installed as close as possible to the workspace for an optimal efficiency.

These pipes are available in three standard models from 25 to 50 mm internal.

The electrovalves are fed by inertia and only consume energy when in use. The outlet pressure allows for the use of a filter, cyclone or other methods of waste filtration.

Characteristics

- In-line venturi designed for the pneumatic transport and centralized cleaning
- Completely static, starts and stops immediately
- To be installed in line in centralized cleaning ducting
- from 0 to about 10 kg/min of transported material
- Different types of executions depending on the use
- No moving parts, no seals
- Passage diameter from 25 to 50 mm

Technical information

Fluid :	Compressed air
Optimal pressure :	5,5 bars
Pressure range :	0 to 10 bars
Consumption :	See table
Temperature range :	-50° to +250 °C (AISI version)



Functionning principle

Compressed air is injected in the exterior ring which contains 6 conduits directed towards the inside of the central tube. At the outlets of these conduits, the air reaches supersonic speed. The exterior air is then sucked into the central tube and turns making an helicoidal movement.

This cyclonic movement creates a strong airflow which can carry materials into the tube and then into the rest of the ducting along tens of meters.

Applications

- Enables the user to connect a high pressure system to a mid-pressure installation
- Transport of powders, granulates and objects
- To increase the efficiency of a centralized system
- Evacuate debris and waste (wood, leather, string, cardboard, fiber, ink, paper & chips)

Safety advice

Always earth the pipe to avoid electrostatic build-up.

Material

Anodized aluminum

Accessories :

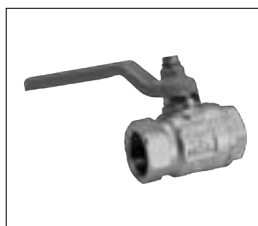
- see frames below

Options

- Stainless steel
- Imperative 5μ filtration



Connector 1/2" - 3/8"



Regulator 1/2"



Coupling 3/8" Male or Female

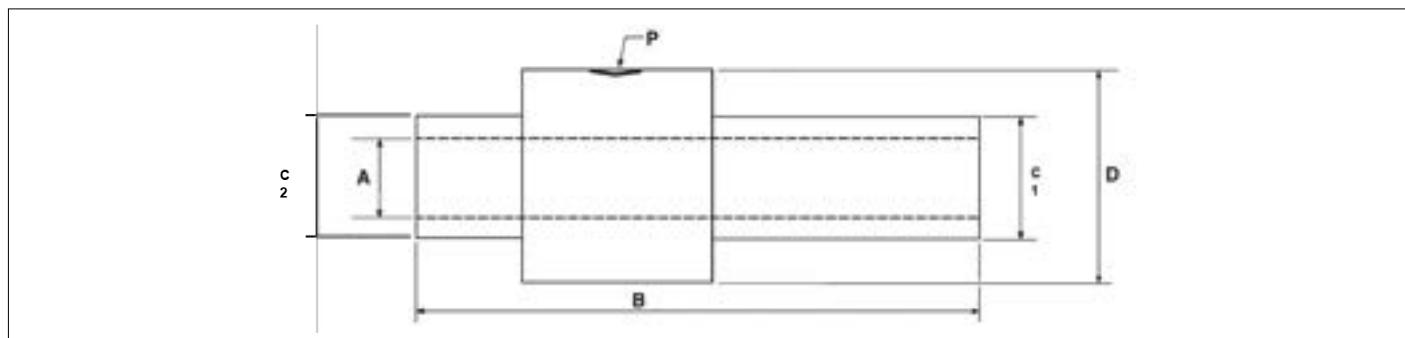


Male stud 1/2"



Female stud 1/2"

CZEA Injection pipes



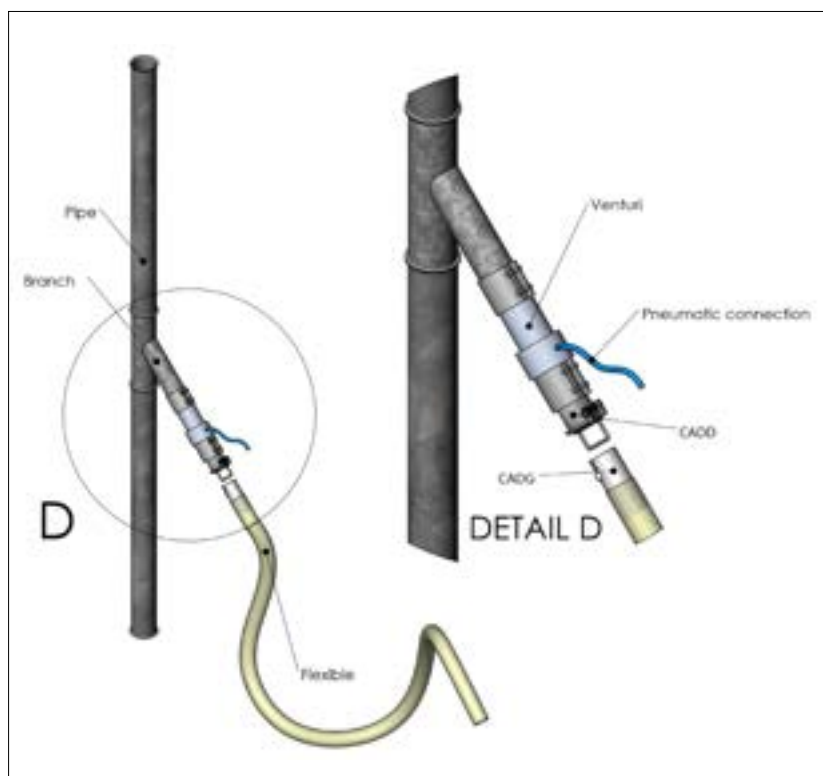
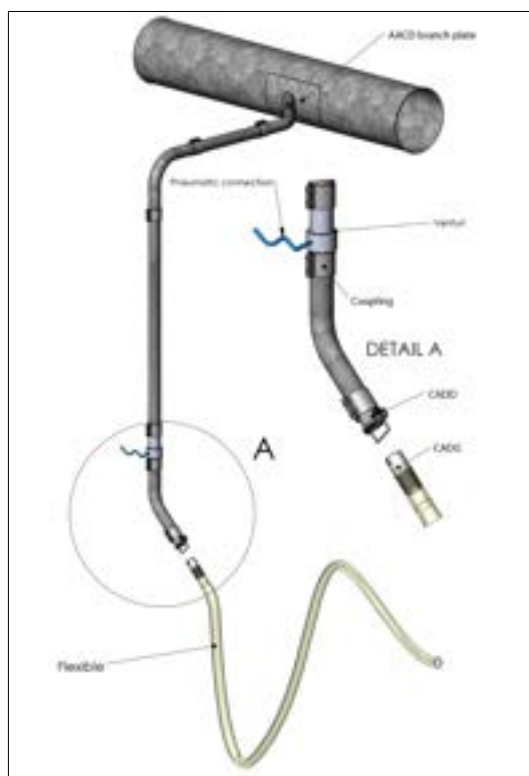
Dimensions :

Type	Code	d int. A Ø mm	B mm	Ø C1 mm	Ø C2 mm	Ø D mm	Connection
38-38	CZEA000001	25	190	37.7	37	57	G 3/8
50-50	CZEA000002	38	190	50.3	49.7	70	G 3/8
63-63	CZEA000003	50	190	63.1	62.4	82	G 3/8

Consumption :

Code	Max. pressure in mbar < Patm. at 5.5 bar	Air Volume in N/m³h at 5.5 bar	Consumption in NI/min at 5.5 bar	Air speed in m/s at 5.5 bar
CZEA000001	195	162	1350	88
CZEA000002	85	342	1350	83
CZEA000003	50	510	1350	70

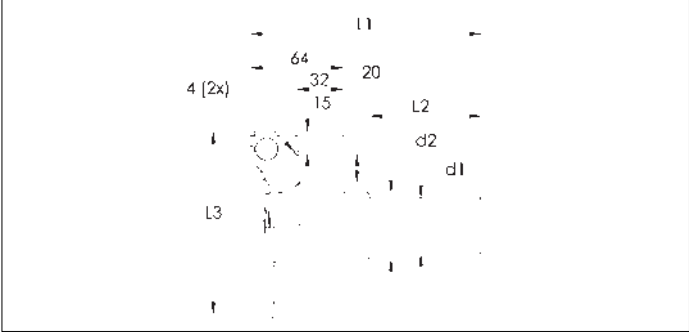
Installation :



> Simple and economical connection to an industrial ducting system

> Simple and economical connection to a centralized cleaning system

CADC SL2 Leaf valves



CADC SL2 Leaf valves

The CADC SL2 leaf valves can be mounted on the ducting and are designed to connect flexible hoses by means of a flexible hose connector CAEB RL and SL2.

The pipe side of the leaf valve is the same diameter as the pipe and is connected by means of a pipe connector.

A position indicator can be added to the lid support to automatically start the installation when the lid is opened (sold separately).

Material

2 mm electro-galvanized blacksteel (10µm).

Type

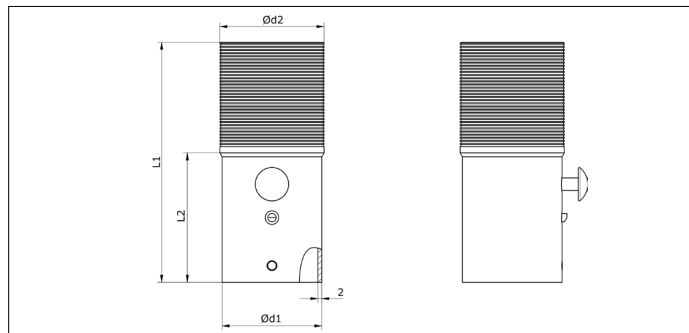
With a self-closing spring-mounted lid.

Options

- Position indicator (NCED000038)

Type	Code	d1 Ø mm	d2 Ø mm	L1 mm	L2 mm	L3 mm	Weight kg
38-38	CADC000004	38	45	157	76	125	0.70
50-50	CADC000005	50	55	157	76	135	0.90
63-63	CADC000006	63	74	157	76	153	1.25
76-76	CADC000007	76	83	157	76	163	1.46

CAEB SL2 Hose connectors



CAEB SL2 Flexible connectors

For a quick and easy connection of the flexible hose into the leaf valves of an installation.

Can be combined with the CADC RL and SL2 leaf valves.

A hose ring is recommended to hold the flexible hose in place.

Material

2 mm electro-galvanized blacksteel (10µm).

Type

Equipped with a release button.

Type	Code	d1 Ø mm	d2 Ø mm	L1 mm	L2 mm	Weight kg
38-38	CAEB000002	37.5	38	145	80	0.18
50-38	CAEB000003	47.5	38	145	80	0.23
50-45	CAEB000004	47.5	45	145	80	0.23
50-50	CAEB000005	47.5	50	145	80	0.23
63-50	CAEB000006	66.5	50	145	80	0.31
63-63	CAEB000007	66.5	63	145	80	0.31
76-50	CAEB000008	75.5	50	145	80	0.44
76-63	CAEB000009	75.5	63	145	80	0.44
76-76	CAEB000010	75.5	76	145	80	0.44