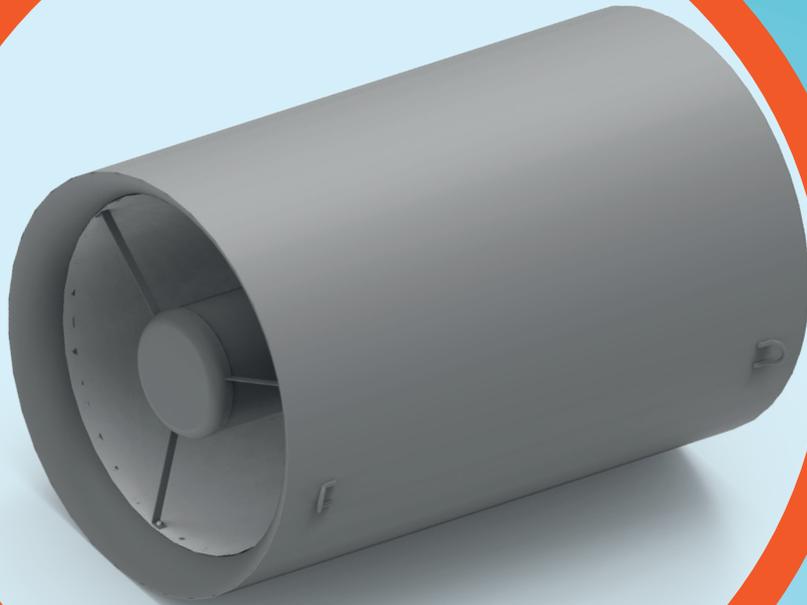


NYBORG-MAWENT



NYBORG – MAWENT SILENCERS

1. APPLICATION

Silencers are destined for installation in ventilation systems at ships or offshore objects. The sound attenuators are used for reducing noise in ventilation ducts. They are mounted directly to axial fans or in-duct.

2. CONSTRUCTION

Guide of Nyborg-Mawent silencers:

LD is a high efficient silencer for flange connection. Silencer consists of housing lined with sound absorbing mineral wool covered with perforated plate. Silencer can be circular or rectangular. Standard length is 1D or 2D (Length= 1 or 2 x diameter).

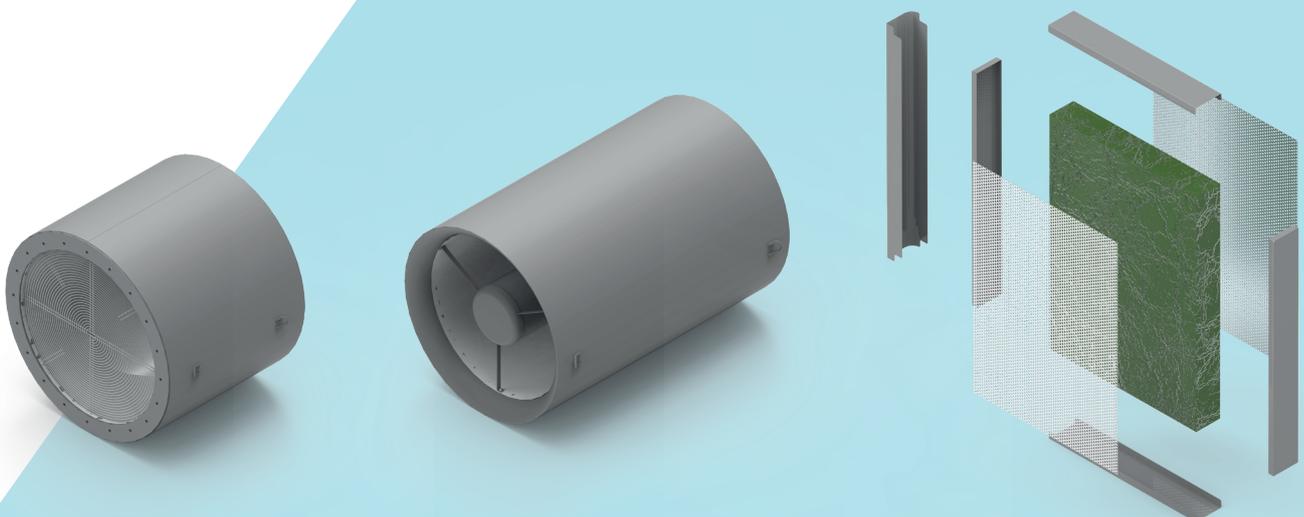
LDC is a high efficient silencer with core, for flange connection. Where extra damping is necessary. Silencer consist of housing lined with sound absorbing mineral wool covered with perforated plate. In silencer axis a core filled up with mineral wool, lined with perforated sheet is fitted. Silencer can be circular or rectangular. Standard length is 1D or 2D (Length= 1 or 2 x diameter).

Sound baffle is a noise absorbing baffles are destined for reducing of noise transferred through the ventilation. They are made in any dimension at the customer's request.

Drilling of flanges in the silencer to be selected:

- Nyborg-Mawent standard,
- according to ISO 15138.

Special drilling is available on request.



3. SURFACE TREATMENT

LD:

Standard treatment for casing is hot dip galvanized.

Silencer consists of 100 mm insulation material, type Rockwool.

Optional treatment:

- Casing: stainless steel including AISI 304/316L - acid treated.

LDC:

Standard treatment for casing and core is hot dip galvanized.

Silencer consists of 100 mm insulation material, type Rockwool.

Optional treatment:

- Casing: stainless steel including AISI 304/316L - acid treated,
- Core: stainless steel including AISI 304/316L - acid treated.

Sound baffle:

Standard treatment for sheet framing filled-up with noise absorbing mineral wool.

Optional treatment:

- Sheet framing: stainless steel including AISI 304/316L - acid treated.

4. SIZES

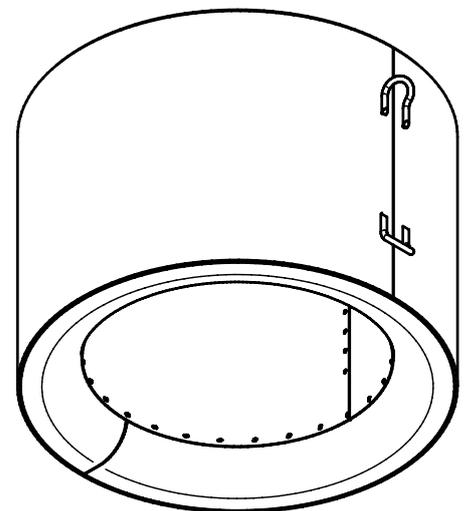
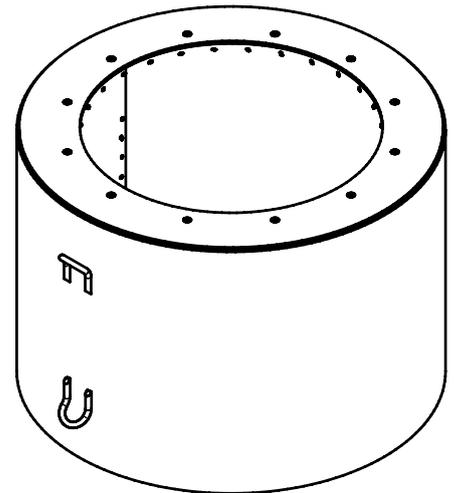
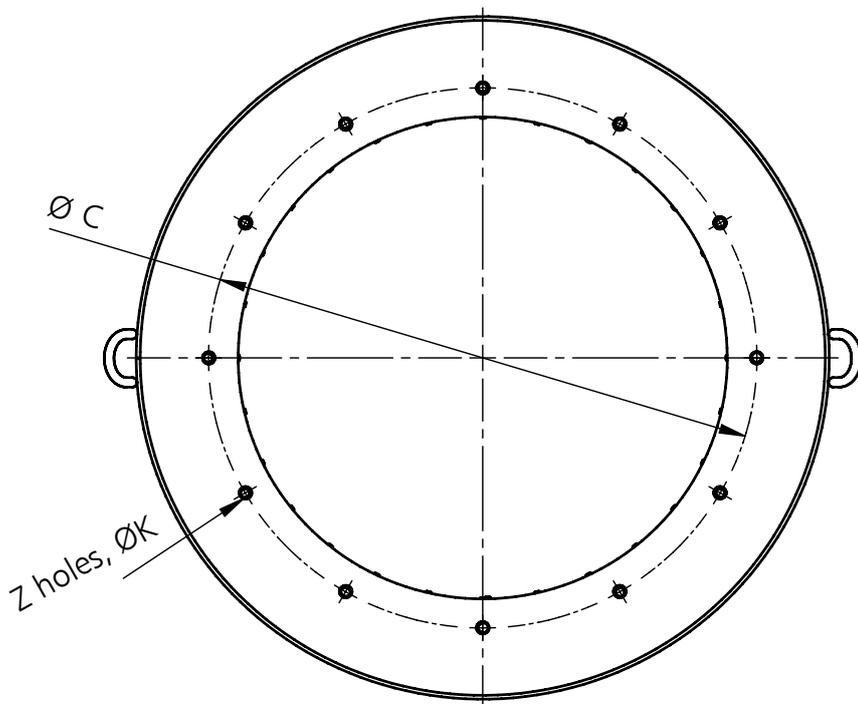
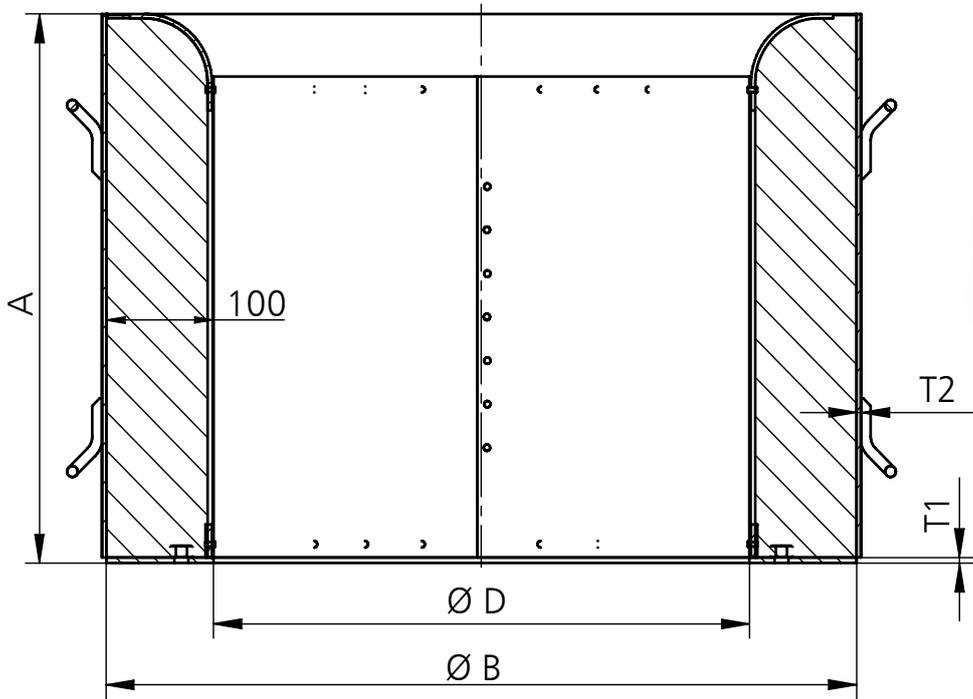
Basic types of circular silencers and nominal diameters (inner) is according to table below.

LD & LDC

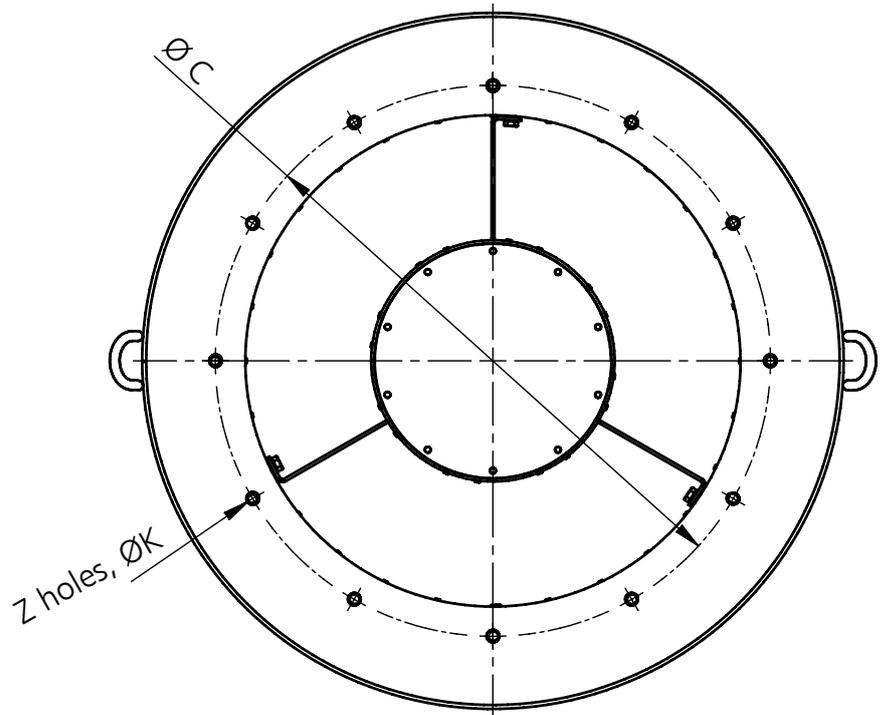
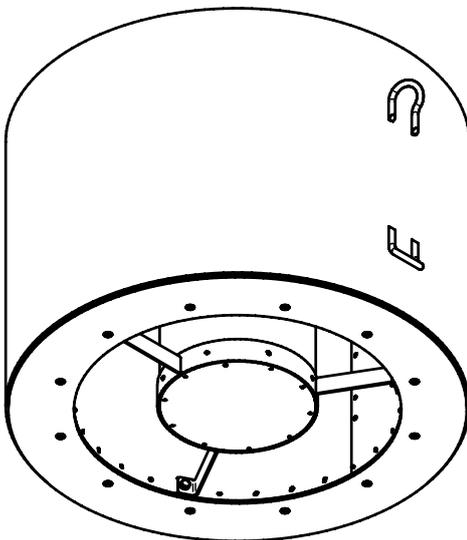
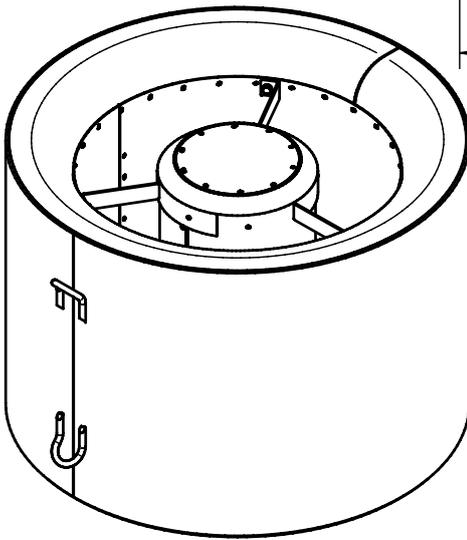
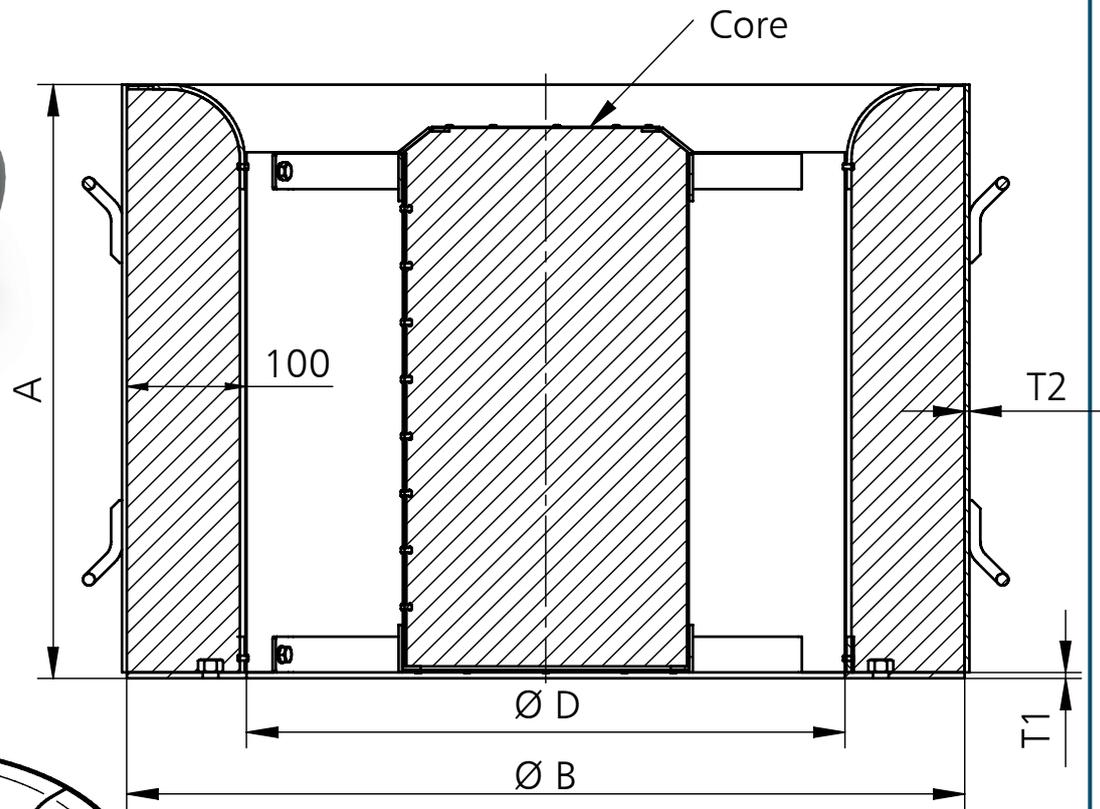
Size	A=1D [mm]	A=2D[mm]	B[mm]	C*[mm]	D[mm]	T1[mm]	T2[mm]	Z x K [pcs x mm]
315	315	630	515	360	315	4	3	8xM12
355	355	710	555	405	355	4	3	8xM12
400	400	800	600	460	400	4	3	12xM12
450	450	900	650	510	450	5	3	12xM12
500	500	1000	700	560	500	5	3	12xM12
630	630	1260	830	698	630	6	3	16xM12
710	710	1420	910	775	710	6	4	16xM12
800	800	1600	1000	870	800	6	4	16xM16
900	900	1800	1100	980	900	6	4	16xM16
1000	1000	2000	1200	1080	1000	8	4	20xM16
1120	1120	2240	1320	1200	1120	8	4	20xM16
1250	1250	2500	1450	1320	1250	8	5	24xM12
1400	1400	2800	1600	1490	1400	8	6	32xM16
1600	1600	3200	1800	1690	1600	8	6	32xM16

* standard Nyborg-Mawent drilling, other available on request

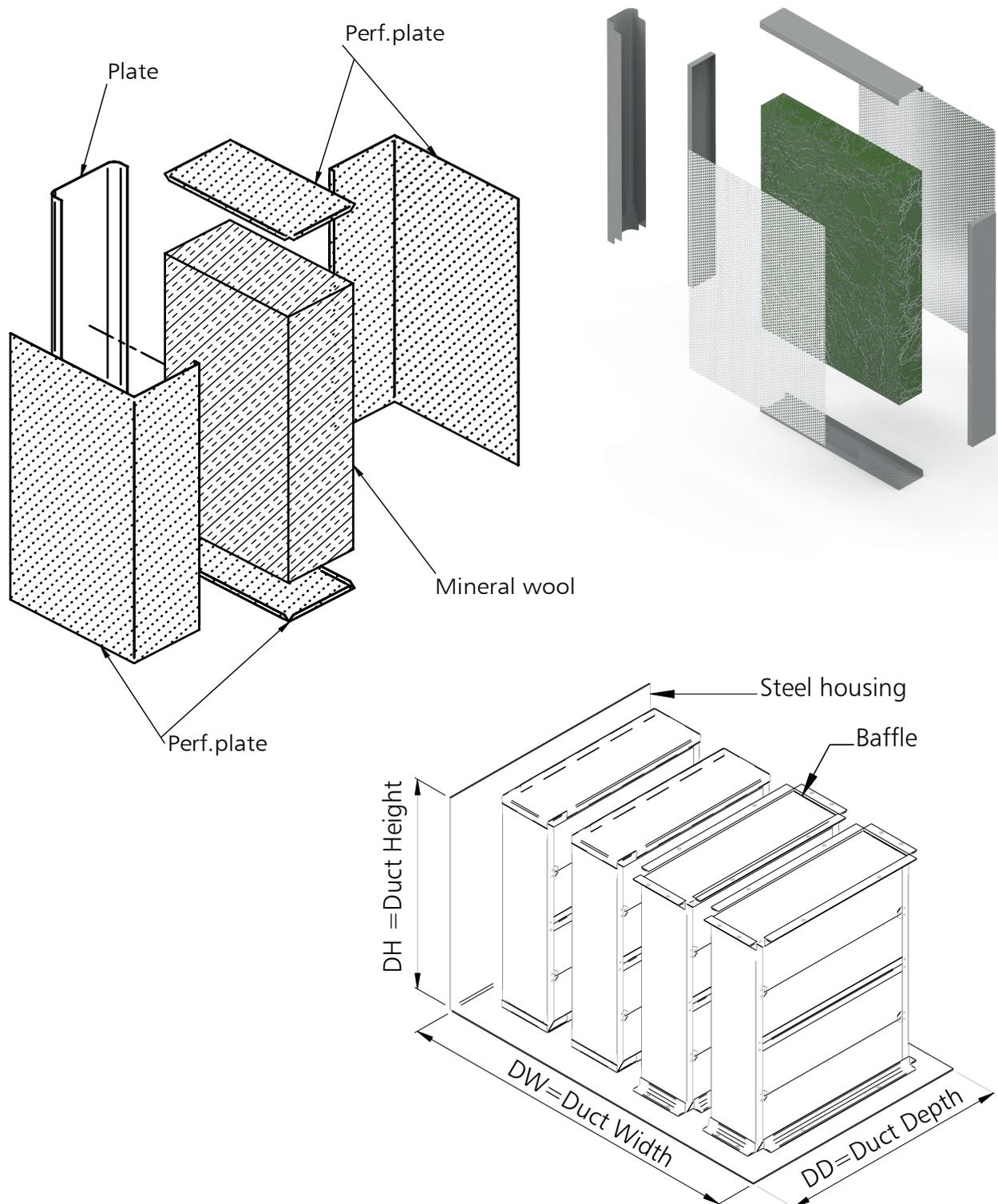
LD Sound Attenuators



LDC Sound Attenuators



Sound baffle



*Sound baffles are ordered after consulting the client and approving the dimensions proposed by us, adjusted to individual needs and sizes of ducts

Max width of baffels 75-300mm

Max height of baffels 3000mm

Max length of baffels 1500mm

5. MARKING

An example of marking for silencer, size

- **LD 355, Length=710**, made of carbon steel hot dip galvanized, drilling ac. to ISO 15138

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