

H4b noise barrier wall – a new generation of safety

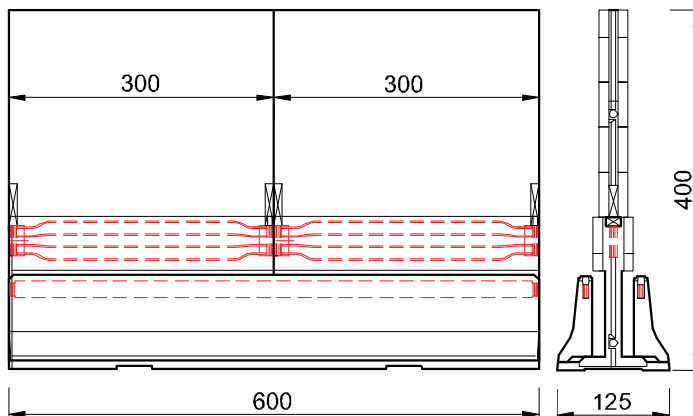
					L1	L2	L3	L4a	L4b
T1	T2	T3	N1	N2	H1	H2	H3	H4a	H4b

The restraint system respectively noise barrier DB 100 LSW-M acts as safeguarding for the central reserve on motorways and dual carriageways. It additionally works as a high-grade sound insulation system due to the noise absorbing material laminated to the surface of the wall.

Identifying features:

- ▶ highest containment level H4b
- ▶ combination of noise barrier and restraint system
- ▶ variable height of wall up to 400cm
- ▶ protection against glare of oncoming traffic

With containment level H4b the DB 100 LSW-M fulfils the highest containment level defined in the EN 1317 at a small system width.



## Technical specifications

<b>Concrete quality</b>	resistant to frost and de-icing salt (depending on national requirements)
<b>Noise-protection qualities</b>	<b>Sound insulation:</b> 49dB <b>Sound absorption</b> acc. to ISO 354 resp. EN 1793: absorbent or highly absorbent – depending on the used sound barrier application
<b>Coupling</b>	patented coupling, hot-dip galvanised
<b>Tension bar</b>	patented steel tension bar, hot-dip galvanised
<b>Accessories</b>	tested reflectors ...
<b>Curve radii</b>	$r \geq 350m$
<b>Special elements</b>	element with integrated emergency exit, transitions, terminals
<b>Misc.</b>	possible sound absorbing materials are: wood wool tiles, metal panels or other sound absorbing systems

## Test results according to EN 1317-2

<b>Type</b>	DB 100 LSW-M
<b>Element length</b>	6m
<b>Containment level</b>	H4b
<b>Working width</b>	W5
<b>ASI</b>	B
<b>Tension bar</b>	1x K340 2x K150
<b>Installation method</b>	
<b>System height</b>	up to 400cm
<b>System width</b>	125cm
<b>Max. displacement</b>	45cm
<b>Tested system length</b>	60m (without terminal elements)
<b>Terminal anchoring</b>	yes
<b>Connected to the ground</b>	no
<b>CE certification</b>	yes

## Key facts

	Tension bar	Weight	l / w / h
<b>LSW 400-M</b>	K340	6000kg	300 / 125 / 400cm
<b>DB 100 LSW</b>	K150	3190kg	600 / 40 / 100cm
<b>Emergency exit</b>	K340	5460kg	300 / 125 / 400cm