

H4b noise barrier wall – a new generation of safety

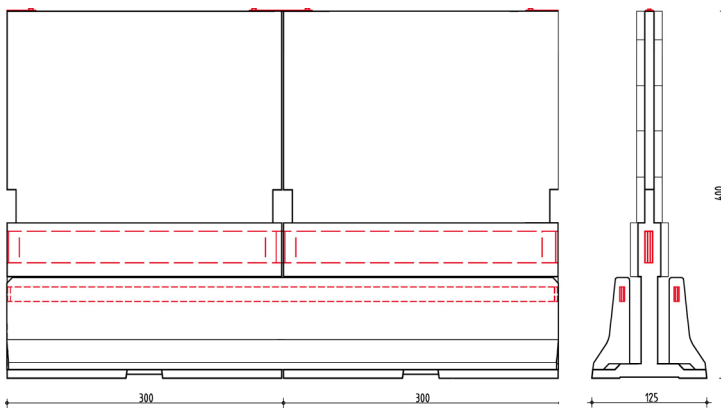


The restraint system respectively noise barrier DB 100 LSW-M acts as safeguarding for the central reserve on motorways and higher ranking roads. It additionally works as a high grade sound insulation system due to the noise absorbing material laminated to the surface of the wall.

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

concrete quality	frost- and dew salt-resistant (depending on national requirements)
coupling	patented steel coupling, hot dip galvanised
tension bar	patented steel tension bar, hot dip galvanised
accessories	approved reflectors, ...
curve radii	r ≥ 350m
special elements	element with integrated emergency exit, terminals, transitions
misc.	possible sound absorbing materials are: wood wool tiles, metal panels or other sound absorbing systems

Noise barrier wall

sound insulation	49dB
sound absorbing according to ISO 354 resp. EN 1793	absorbent level, high absorbent level according to the used sound absorbing system

Test results according to EN 1317-2

type	DB 100 LSW 400-M
element length	6m
containment level	H4b
ASI	B
coupling	1x K340 2x K150
installation method	
system width	125cm
system height	up to 400cm
working width	W5
max. movement	45cm
tested system length	60m (without terminal elements)
terminal anchoring	yes
connected to the ground	no
tested positive	yes

Key facts

	coupling	weight	l / w / h
LSW 400-M	K340	6000kg	300 / 125 / 400cm
DB 100 LSW	K150	3190kg	600 / 40 / 100cm
emergency exit	K340	5460kg	300 / 125 / 400cm