

combined traffic safety and noise protection at the verge

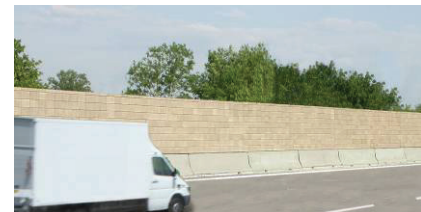
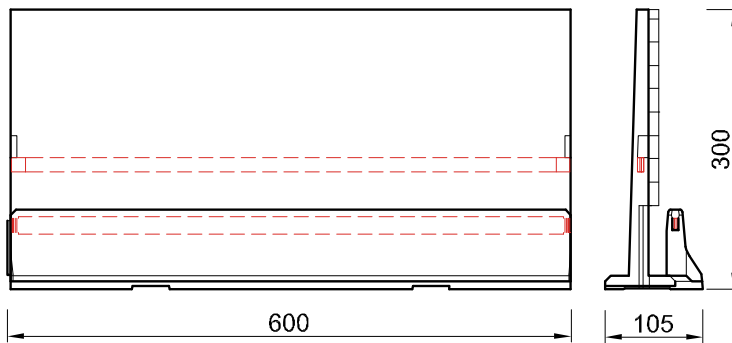
				L1	L2	L3	L4a	L4b		
T1	T2	T3	N1	N2	H1	H2	H3	H4a	H4b	

The restraint system respectively noise barrier DB 80 LSW-R acts as safeguarding for the verge on motorways and dual carriageways. Due to the noise absorbing material laminated to the surface of the wall, it additionally works as a high-grade sound insulation system.

Essential characteristics:

- ▶ high containment level H2
- ▶ extremely small system width of only 105 cm
- ▶ tested passenger protection (ASI B)
- ▶ small working width (W5)
- ▶ combination of noise barrier and restraint system
- ▶ variable height of wall up to 400cm

The high installation capacity of this unfixed noise barrier and restraint system makes the application at the marginal strip of motorways very cost efficient. There is no need to connect it to the ground.



Technical specifications

Concrete quality	resistant to frost and de-icing salt (depending on national requirements)
Noise-protection qualities	Sound insulation: 50dB Sound absorption acc. to ISO 354 resp. EN 1793: absorbent or highly absorbent – depending on the used sound barrier application
Coupling	patented coupling, hot-dip galvanised
Tension bar	patented steel tension bar, hot-dip galvanised
Accessories	tested reflectors ...
Curve radii	$r \geq 350m$
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

Test results according to EN 1317-2

Type	DB 80 LSW-R
Element length	6m
Containment level	H2
Working width	W5 / 140cm
ASI	B
Tension bar	1x K150 1x K120
Installation method	
System height	300cm
System width	105cm
Max. displacement	35cm
Tested system length	60m (without terminal elements)
Terminal anchoring	yes
Connected to the ground	no
CE certification	yes

Key facts

	Tension bar	Weight	l / w / h
LSW 300-R	K150	9440kg	600 / 105 / 300cm
LSW 400-R	K150	5650kg	300 / 105 / 400cm
DB 80 LSW	K120	2650kg	600 / 40 / 80cm