

Combined traffic safety and noise protection at the verge

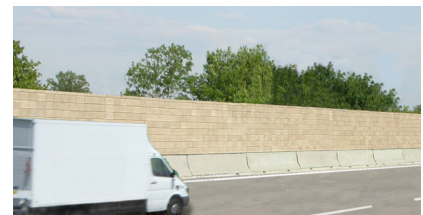
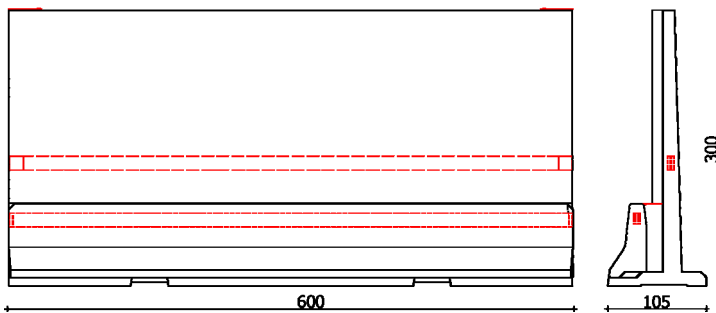


The restraint system respectively noise barrier DB 80 LSW-R acts as safeguarding for the verge on motorways and higher ranking roads. Due to the noise absorbing material laminated to the surface of the wall it additionally works as a high grade sound insulation system.

Essential characteristics:

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

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



Technical specifications

concrete quality	frost- and dew salt-resistant (depending on national requirements)
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

Noise barrier wall

sound insulation	50dB
sound absorbing according to ISO 354 resp. EN 1793	absorbent level, high absorbent level according to the used sound barrier application

Test results according to EN 1317-2

type	DB 80 LSW 300-R	DB 80 LSW 400-R
element length	6m	6m
containment level	H2	H2
ASI	B	
coupling	1x K150 1x K120	1x K150 1x K120
installation method		
system width	105cm	105cm
system height	300cm	400cm
working width	W5 / 140cm	
max. deflection	35cm	
tested system length	60m (without terminal elements)	
terminal anchoring	yes	
connected to the ground	no	
tested positive	yes	

approval in preparation

Key facts

	coupling	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