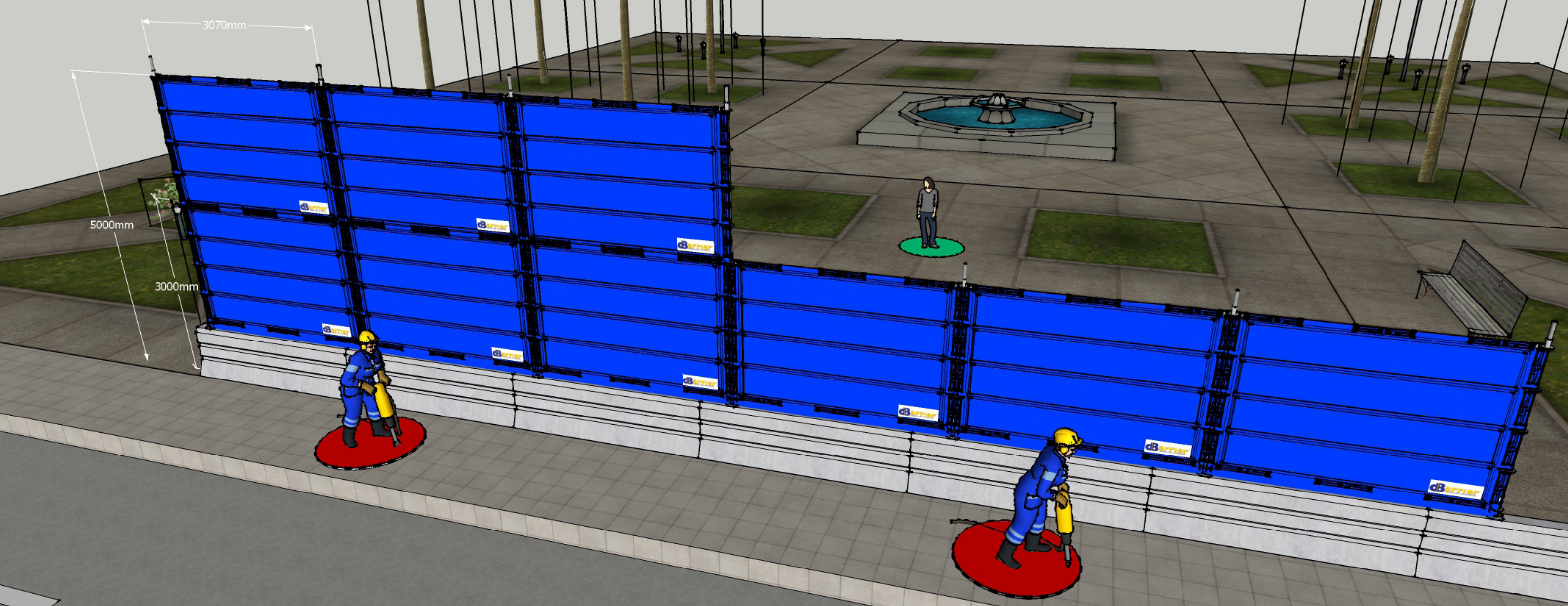




## NOISE PROTECTION FOR ROAD BARRIERS







## Noise reduction - dBarrier® mounted on road barriers

dBarrier® height 5 m x lenght 18 m (incl. road barrier, H=1 m)

NOISE SOURCE DISTANCE TO DBARRIER ▼	SOUND REDUCTION Noise meter distance to dBarrier: 1 m	SOUND REDUCTION Noise meter distance to dBarrier: 5 m	SOUND REDUCTION Noise meter distance to dBarrier: 10 m
1 m	LAq 47 dB(A)	LAq 38 dB(A)	LAq 31 dB(A)
5 m	LAq 42 dB(A)	LAq 32 dB(A)	LAq 17 dB(A)
10 m	LAq 39 dB(A)	LAq 29 dB(A)	LAq 19 dB(A)

dBarrier® height 3 m x lenght 18 m (incl. road barrier, H=1 m)

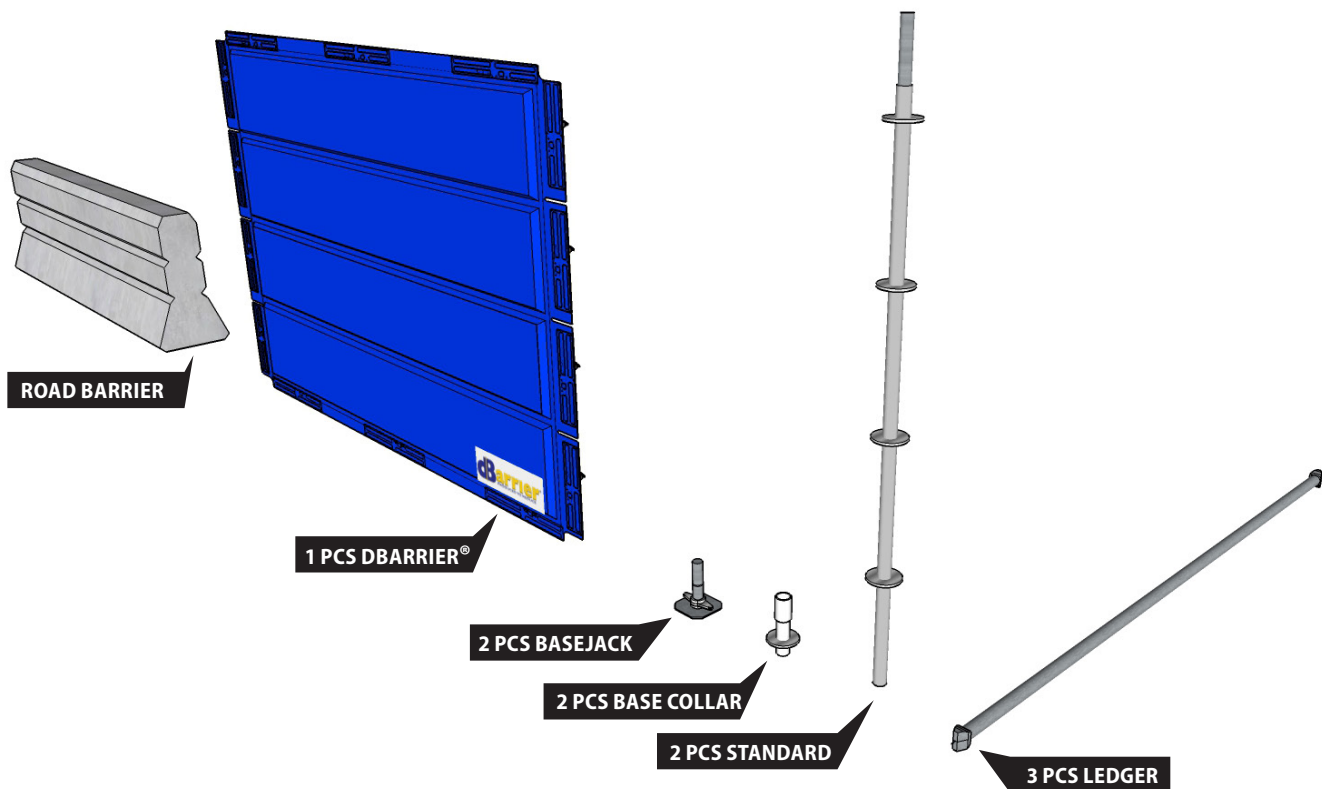
NOISE SOURCE DISTANCE TO DBARRIER ▼	SOUND REDUCTION Noise meter distance to dBarrier: 1 m	SOUND REDUCTION Noise meter distance to dBarrier: 5 m	SOUND REDUCTION Noise meter distance to dBarrier: 10 m
1 m	LAq 35 dB(A)	LAq 30 dB(A)	LAq 28 dB(A)
5 m	LAq 31 dB(A)	LAq 24 dB(A)	LAq 22 dB(A)
10 m	LAq 29 dB(A)	LAq 22 dB(A)	LAq 18 dB(A)

### Basis of measurement:

Noise source: jackhammer Bosch GSH 16 (measured sound level of LAq 101 dB(A) at 1 m) placed 1,5 m above the ground. Ground condition: hard asphalt.

Noise Meter: Bruel & Kjaers Sound Level Analyzer 2250 D, Calibrator 4230. Upgraded and calibrated, Certifikate NO C1204466 and C1204416. Placed 1,5 m above the ground.





## Assembly instructions dBarrier®

*With modular ring scaffolding system on road barrier*

- 1 Mount the 1:st base jacek on the traffic barriers centered 250 mm from the end wall with anchor bolts.
- 2 Assemble the base collar on the base jack.
- 3 Put the second base jack with base collar on the road barrier and attach a horisontal ledger on the base collars for the right c/c distance between the base jacks. Then anchor the second base jack with anchor bolts. Place the standards in the base collars.
- 4 Mount 2 pcs horisontal ledgers between the standards, 1 m c/c distance, counting from the base collar's ring.
- 5 Mount dBarrier® with the perforated surface towards the noise source. Start by attaching dBarrier® on the top horizontal ledger. Secure with FASTener quick fittings.

! dBarrier® assembly instructions/instructional video on our website.  
Follow the manufacturer's installation instructions for the ring scaffold system.



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dBarrier is a trademark within Järven AB