



Sound decoupling system
for doors

ProSilence[®]



- › EPDM-rubber element with steel sleeve, galvanized steel mounting bracket
- › Diameter of the bearing: Inner 29 mm / outer 50 mm
- › Steel core with 10.5 mm bore hole for screws up to M10
- › Fastening possible with conventional plastic or steel anchors for high tensile strength

59 % less structure-borne sound transfer

Suitable for roller shutters, rolling grilles and sectional overhead doors (incl. ceiling suspension).

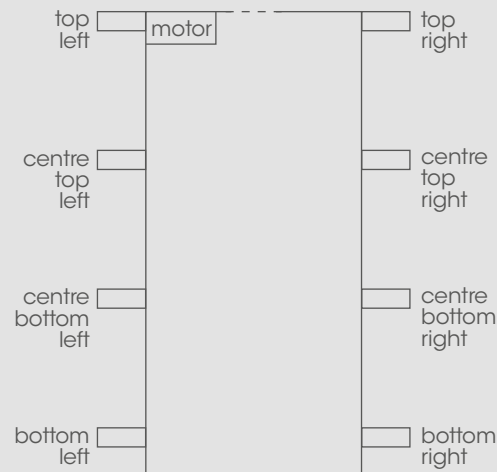
Whether horizontal, vertical or hanging, the same efficiency for all installation positions is attained.

Report on the vibration measurements to assess the damping of the vibration dampers on a rolling grille from Promotec Torsysteme GmbH (excerpt)

Test object: Rolling grille RGA ProPark® with vibration dampers ProSilence®
Objective: Determination of the damping factor on a real installed door
Fastening: The rolling grille is mounted at 8 points on the wall. Drive unit top left.

No.	position	envelope curve average value [m/s²]		damping factor
		above dampers	below dampers	
1	top left	0,614	1,615	0,38
2	centre top left	0,434	1,185	0,37
3	centre bottom left	0,288	1,105	0,26
4	bottom left	0,327	0,661	0,49
5	top right	0,263	0,626	0,42
6	centre top right	0,268	0,611	0,44
7	centre bottom right	0,336	0,564	0,60
8	bottom right	0,169	0,442	0,38
Damping with max. and min. value				0,42
Damping without max. and min. value				0,41

Damping factors for all wall mounts with dampers



Wall mounts on rolling grille

Assessment

Average damping factor: 0.41

The damping factor of approx. 0.40 means that the vibrations are damped by approx. 60 % or 40 % respectively.

Inspection by: Ingenieure Prof. Sturm und Partner GmbH, Dipl.-Ing. J. Sparmann
Customer: Promotec Torsysteme GmbH
Inspection on: 14.04.2016
Source: "Report on vibration measurements for the assessment of damping by vibration dampers on a rolling grille at Promotec Torsysteme GmbH on 14.04.2016", prepared on 29.05.2016