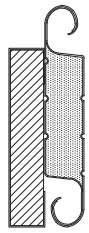
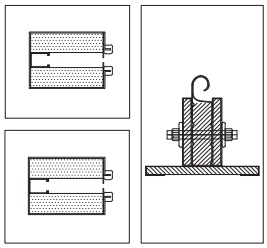
ACOUSTIC SOUND PROOF INSULATION
ROLLER SHUTTER DETAILS

NS100



35dB

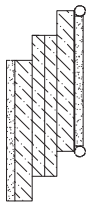
Profiles/curtains made of galvanized interlocking roll-formed steel, double-skinned, sheet thickness from 1.40 mm to 2.00 mm, 100 mm flat slat with infilled special high performance insulation sound barrier materials.



Side Guides
Made of galvanized steel U type profiles, 150x200mm dimension and 3,00mm thickness made by press break bending method and have an acoustic sound barrier and a 10,00mm thickness bristle brush for quiet movement and less vibration at the both sides.

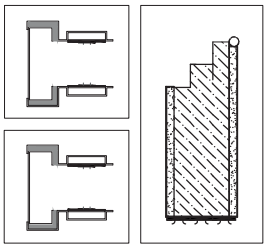
Bottom Rail
Bottom rail made of galvanized steel profile, have an acoustic sound barrier both inside and at the point of contact with the ground.

NS170



38dB

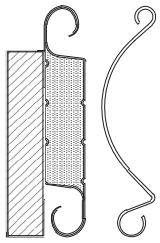
Profiles/curtains made of galvanized interlocking roll-formed steel, double-skinned, sheet thickness from 1.40 mm to 2.00 mm, 100 mm flat slat with infilled special high performance insulation sound barrier materials.



Side Guides
Made of galvanized steel U type profiles, 150x200mm dimension and 3,00mm thickness made by press break bending method and have an acoustic sound barrier and a 10,00mm thickness bristle brush for quiet movement and less vibration at the both sides.

Bottom Rail
Made of galvanized steel profile, have an acoustic sound barrier both inside and at the point of contact with the ground.

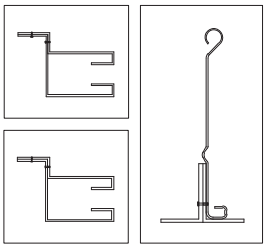
NS100-NS80



43dB

Consisting of two shutters
***Acoustic Roller Shutter:** Profiles/curtains made of galvanized interlocking roll-formed steel, double-skinned,sheet thickness from 1.40 mm to 2.00 mm,100 mm flat slat with infilled special high performance insulation sound barrier materials.

***E240 Fire Rated Roller Shutter:** Profile/curtain made of galvanized interlocking roll-formed steel, single-skinned 80mm curved slat, sheet thickness 1,00 mm with galvanized steel end locks riveted to the slats maintain profile/curtain alignment and prevent wear.



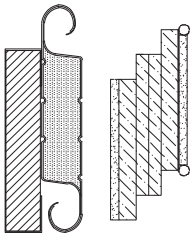
Side Guides
Acoustic Roller Shutter: Side guides made of galvanized steel U type profiles, 150x200mm dimension and 3,00mm thickness made by press break bending method and have an acoustic sound barrier and a 10.00mm thickness bristle brush for quiet movement and less vibration at the both sides.

E240 Fire Rated Roller Shutter: Side guides rails made of galvanized steel U type profiles, 100x70x3mm thickness made by press break bending method. Side guides can be mounted to the interior or exterior side of the wall or the jamb. Side guide assemblies bolt to fixing angles or frame steel and support the entire weight of the shutter.

Bottom Rail
Acoustic Roller Shutter: Bottom rail made of galvanized steel profile, have an acoustic sound barrier both inside and at the point of contact with the ground.

E240 Fire Rated Roller Shutter: Bottom rail made of galvanized steel profile, 120x80mm dimension, 3,00mm thickness with strengthened T-shape. t

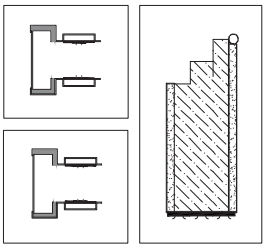
NS100-NS170



57dB

Consisting of two shutters
***Acoustic Roller Shutter:** Profiles/curtains made of galvanized interlocking roll-formed steel, double-skinned, sheet thickness from 1.40 mm to 2.00 mm, 100 mm flat slat with infilled special high performance insulation sound barrier materials.

***EI120 Fire Rated Roller Shutter:** Profile/curtain made of galvanized interlocking roll-formed steel, double-walled 170mm flat slat which made by press break bending method. Sheet thickness 100 mm with galvanized steel, filled with board and ceramic wool to provide heat, sound and fire insulation with end locks riveted to the slats maintain profile /curtain alignment and prevent wear.



Side Guides
Acoustic Roller Shutter: Side guides made of galvanized steel U type profiles, 150x200mm dimension and 3,00mm thickness made by press break bending method and have an acoustic sound barrier and a 10.00mm thickness bristle brush for quiet movement and less vibration at the both sides.

EI120 Fire Rated Roller Shutter: Side guides rails made of galvanized steel profile, 200x2000x3mm thickness made by press break bending method, fixing to face of wall and between Jambs U type based on construction structure. Side guides can be mounted to the interior or exterior side of the wall or the jamb. Side guide assemblies bolt to fixing angles or frame steel and support the entire weight of the shutter. There are also a 90mm wide fire seal and acoustic seal inside side guide rails.

Bottom Rail
Acoustic Roller Shutter: Bottom rail made of galvanized steel profile, have an acoustic sound barrier both inside and at the point of contact with the ground

EI120 Fire Rated Roller Shutter: Bottom rail made of galvanized steel profile with 100x230mm dimension and 1,00mm thickness made by press break bending method. It has a fire resistance board inside and equipped with a 90mm wide fire seals and acoustic seals at the point of contact with the ground.